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SHIPMAIN

“Maintenance Team” Training:

Phase Five

Revised 8 Sep 2005

SHIPMAIN

- **Objectives :**
  - Organizational Changes
  - MT Bridge Plot (revised)
  - Updates and new material from each CFT

Organizational Changes

CFT-2 and CFT-3 Merger

CFT2- CFT3 Merger

- **CFT2 & CFT3 Process Overlaps:**
  - CMAV
  - NMD Enhancements
  - Avail Planning Milestones
  - MSMO Strategies
  - Continuous TAR
- **CFT2 Unique Processes**
  - I and D Level Master Spec Catalog
- **CFT3 Unique Processes**
  - MMBP
  - Late Work Premiums
  - Feedback / Hotwash

The CFT2 & CFT3 Merger is a "good fit"

CFT2- CFT3 Merger into CFT23

- 13 MAY – **POAMs for Combining Overlapping Processes Done**
- 18 MAY – **PIT Approval to Proceed**
- 7 JUN – **CFT2- CFT3 Joint Face to Face 9 JUN**
- 21 JUN – **Mr. Coumes becomes CFT23 AO, first combined VTC conducted**
- 28 JUN – **CFT23 Membership adjusted to effective number**
- 1 JUL – **CFT2 / CFT3 Merger Complete. Now known as CFT-23 (or as CFT-2/3)**

SHIPMAIN Scope – A Consistent Process

Surface Ships

SHIPMAIN

Generators:
- Warfare Rqmts
- Obsolescence
- Reliability
- Maintainability
- Availability

Included-Active

Excluded

ALTs / MODs Management (CFT 4)

Initial Decision: Fund ALT Develop

Validate Decision: Fund ALT Develop.

Develop ALT

Decision: Schedule ALT to Avail

NDE-NM

ICMP (by Hull)

Ship Assessment

Repair 2 Kilos into Ship CSMP

Engineered Maint. Plan

Preventive, ICMP Work Items into CSMP

Requirements (CFT1)

Package Prep & Placement Oversight (CFT 2 and 3) consolidated

Execution (O, I, D)

Funding Processes in Prior Years

Funding Process in Execution Year

MT Bridge Plot

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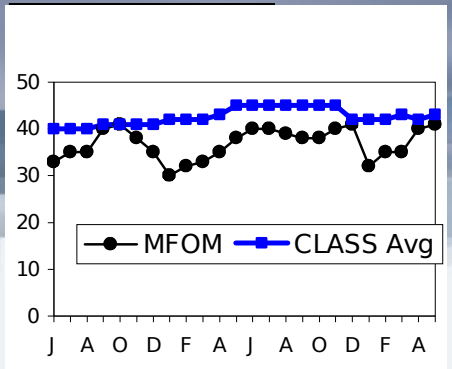
USS ALWAYSSAIL



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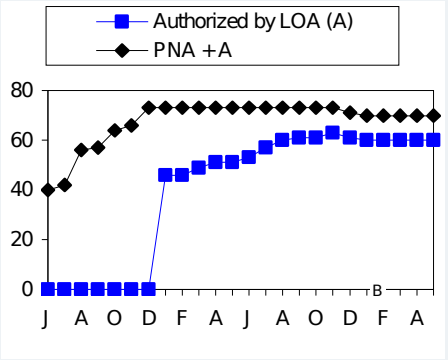

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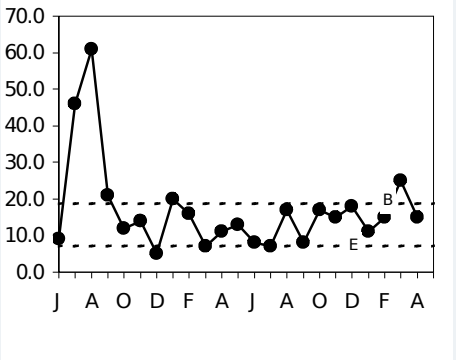

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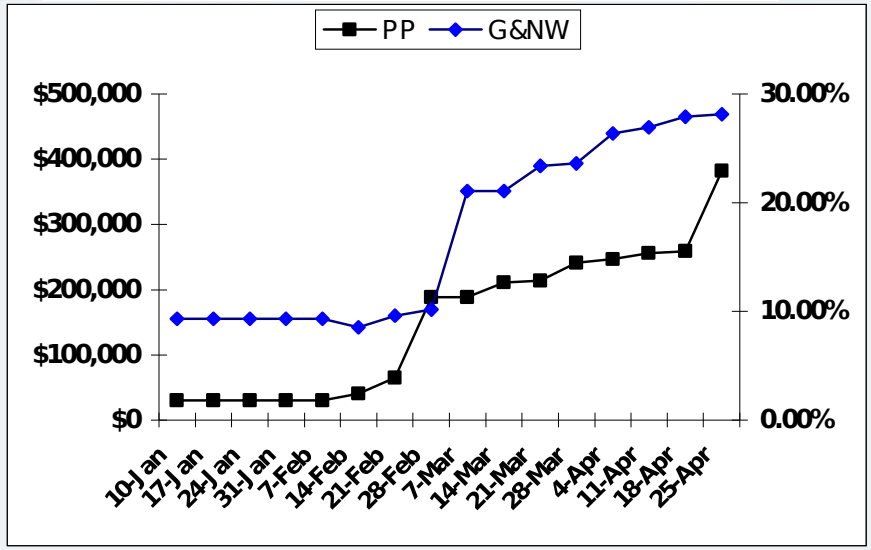

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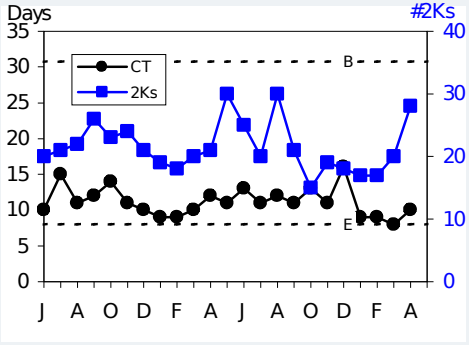

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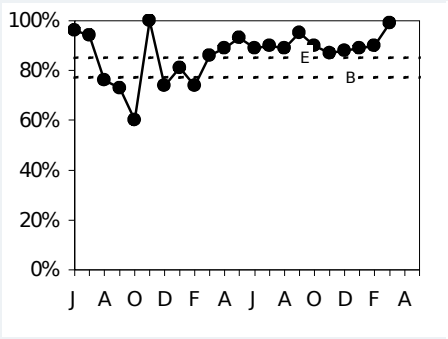

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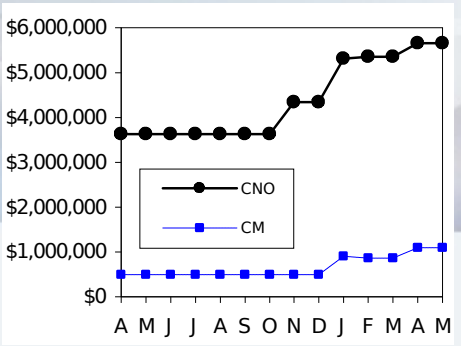

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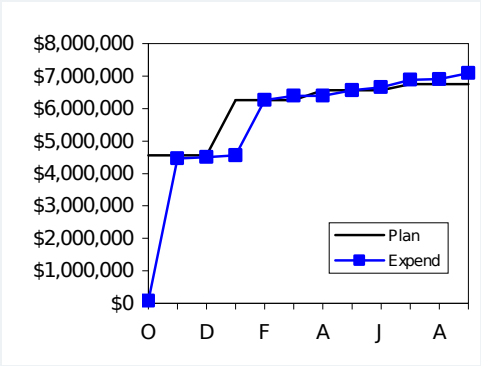

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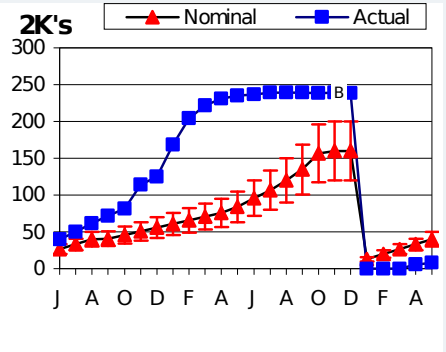

6. CFT1 OTD Indicator

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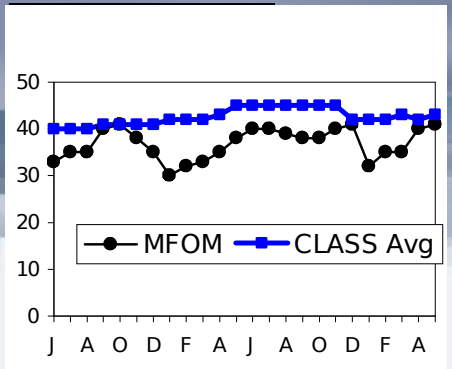
USS ALWAYSSAIL



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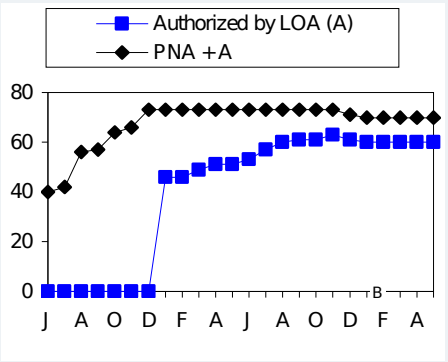

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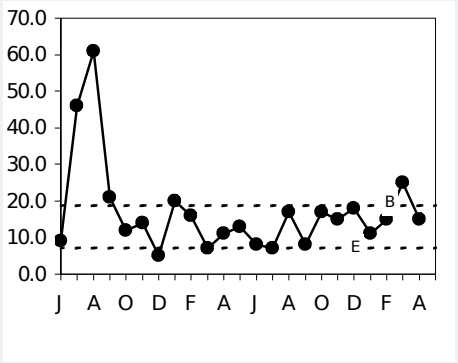

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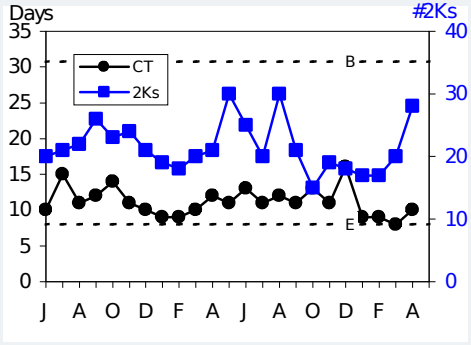

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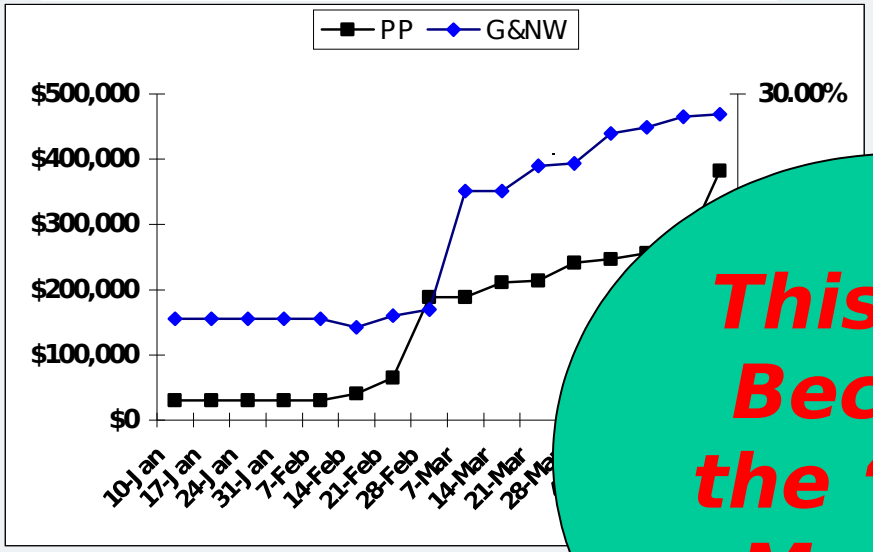

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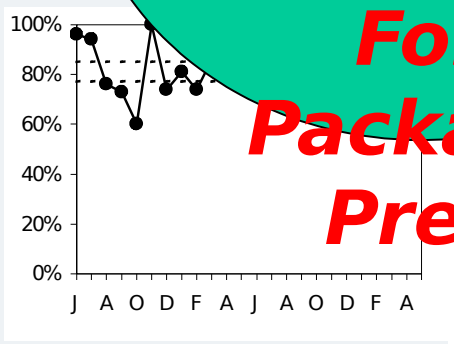

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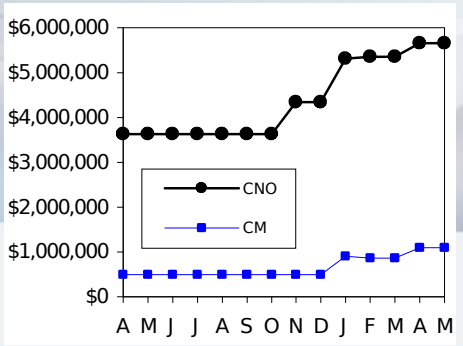

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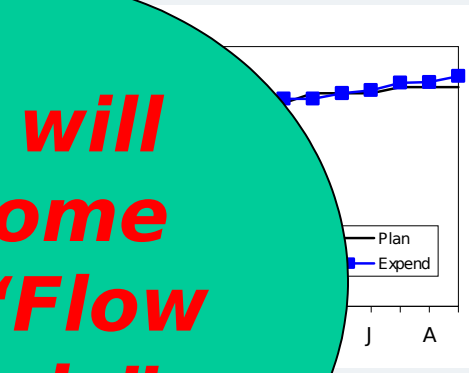

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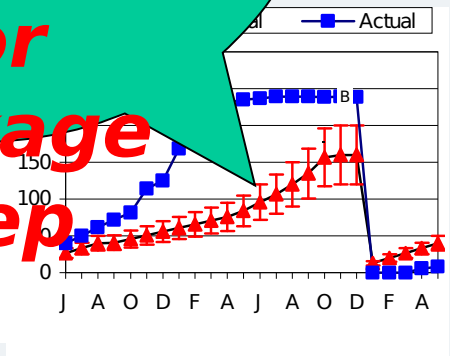

6. CFT1 OTD Indicator

This will Become the "Flow Metric" For Package Prep

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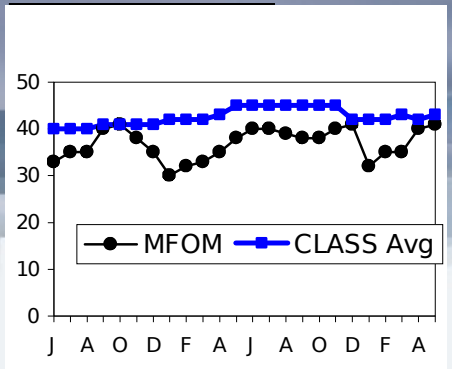
USS ALWAYSSAIL



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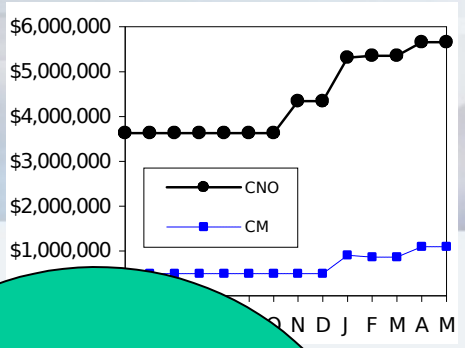

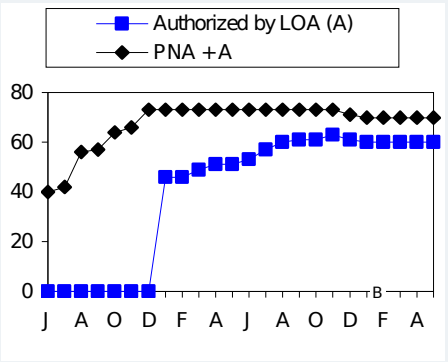

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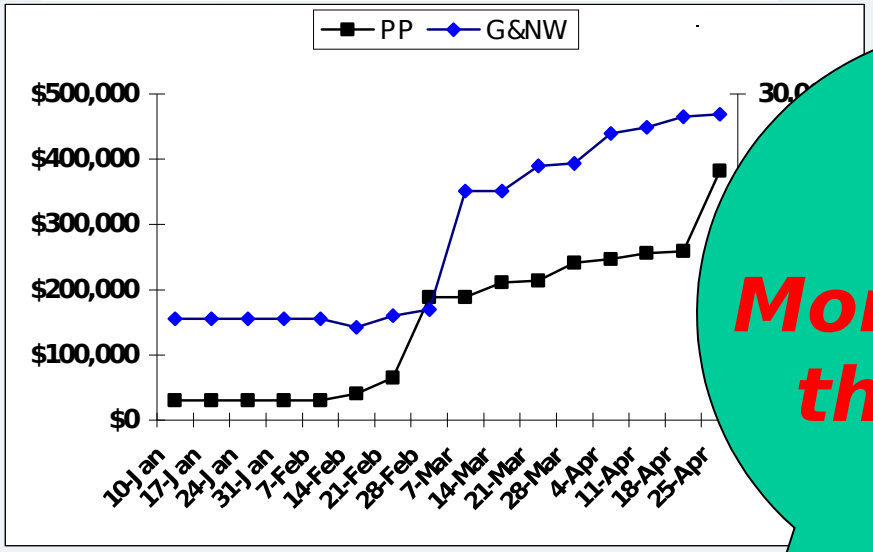

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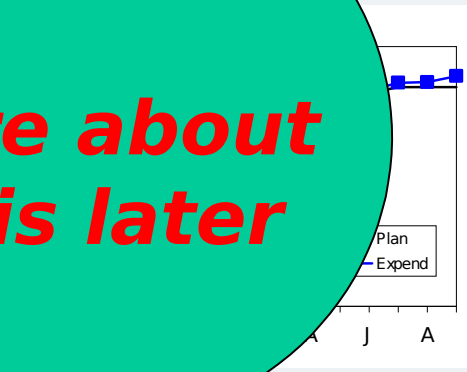
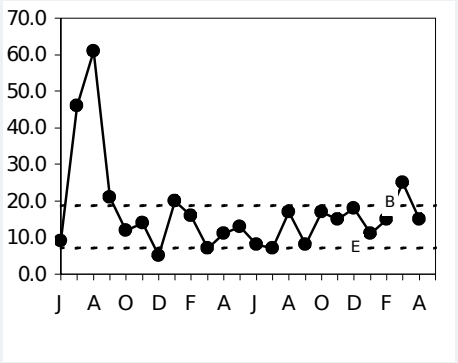


file

More about this later



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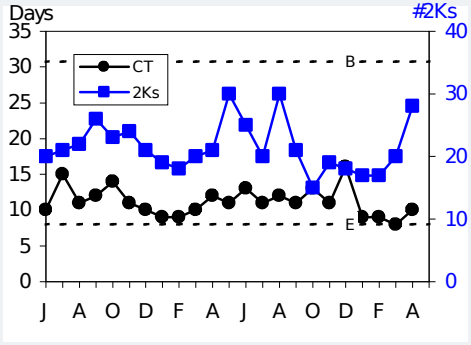

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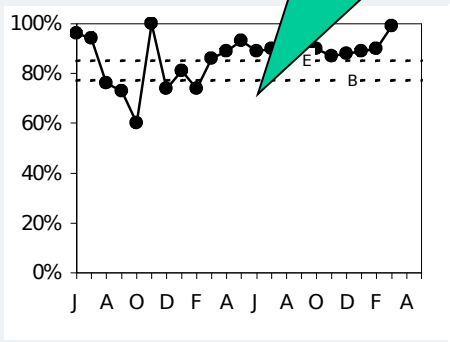

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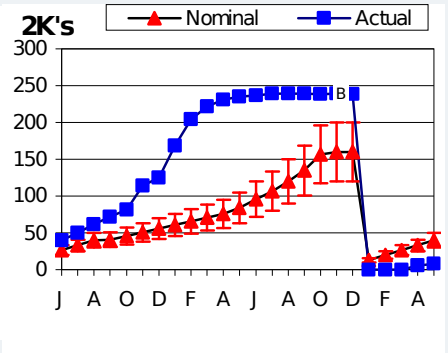

6. CFT1 OTD Indicator

Status

- Automation still in progress

- Will be on the SHIPMAIN metrics web site
  - “www.maintenance.navy.mil/shipmain”
  - Need account/password

MAINTENANCE TEAM SINGLE POINT METRICS

- **In Addition to the Bridge Plot and the Milestone Stoplight Chart, the following "single point" Metrics are captured for each Maintenance Team with a CNO Availability:**

FPY CFT2 to CFT3 (% specs modified after A-60)	CFT 2 Panel 6	69.30%
Work Package OTD (Days late or on time A-60)	CFT 2 Panel 1	50%
Award OTD (Days late or "on time" A-45)	CFT 3 Panel 2	10 Days Late
Avail completion OTD (Days late or "on time")	CFT 3 Panel 6	3 Days Late
Chum% and Premium% (After avail completion)	CFT 3 Panel 7	40% & 7%

NEW

Requirements

CFT-1

Requirements Topics

- Screening First Pass Yield (FPY) metric
- Cost estimating requirements
- Integrated Class Maintenance Plan
- Maintenance Support Tool (MST)

Screening First Pass Yield

(FPY)

Screening FPY

- Measures quality of 2K delivered to planner
- Goal is to eliminate planning rework, planning errors, and errors in ordering parts
- Data taken from NMD (D level) and NEMAIS (I level)
- Will be part of MT Bridge Plot

Screening FPY

- 2K will be “adequate” or “inadequate”, “accepted” or “rejected”
- Assigned by the planning activity
- “Inadequate” reasons (for NMD (“D” level)):
  - Missing APL
  - No drawing or 2-Lima
  - References not identified
  - Scope or quantity not defined
  - Location unknown
  - Failed to adequately ID parts required
  - Incorrect logistics data (EIC, HSC, APL)
  - Other

NMD data for May 05

COMPLETE RENOVATION	Location unknown	ACCEPTED
WORN OUT INSULATION	Location unknown	ACCEPTED
53C TRANSDUCER ARRAY DEGRADED	Location unknown	ACCEPTED
DISTORTED HULL STRINGER, CORRO	Location unknown	ACCEPTED
CORROSION PORT/STBD BILGES MER	Location unknown	ACCEPTED
MCHRY SPACE BILGE - PSV	Location unknown	ACCEPTED
MN ENG RM - PSV	Location unknown	ACCEPTED
AUX MCHRY RM - PSV	Location unknown	ACCEPTED
SSGT GEN AIR INTK - REFURBISH	Location unknown	ACCEPTED
SSGT GEN AIR INTK - REFURBISH	Location unknown	ACCEPTED
SSGT GEN AIR INTK - REFURBISH	Location unknown	ACCEPTED
#3 SWS FAILED CHECK VALVE	Location unknown	ACCEPTED
GTM 1B GTG EXH COLLECTOR	Location unknown	ACCEPTED
RHIB DRMO PREPARATION	Location unknown	ACCEPTED
RHIB DRMO PREPARATION	Location unknown	ACCEPTED
REPAIR 1B SEWAGE EJECTOR PUMP	Location unknown	ACCEPTED
REPAIR 1B SEWAGE EJECTOR PUMP	Location unknown	ACCEPTED
REPAIR 2B EJECTOR PUMP	Location unknown	ACCEPTED
ASSIST SHIP'S FORCE	Location unknown	ACCEPTED
1B GTM EXHAUST CRACK	Location unknown	ACCEPTED
1A GTM EXHAUST CRACKS	Location unknown	ACCEPTED
1B GTM EXHAUST CRACKING	Location unknown	ACCEPTED
1B GTM BARRIER WALL BOLTS	Location unknown	ACCEPTED
1A GTM BARRIER WALL BOLTS BROK	Location unknown	ACCEPTED
RHIB DRMO PREPARATION	Location unknown	ACCEPTED
RHIB DRMO PREPARATION	Location unknown	ACCEPTED
MFG VESTIBULE LADDER	No drawing or 2-Lima	REJECTED
MFG VESTIBULE LADDER	No drawing or 2-Lima	REJECTED
REPLACE VESTIBULE LADDER	No drawing or 2-Lima	REJECTED
REPLACE VESTIBULE LADDER	No drawing or 2-Lima	REJECTED
MFG NEW LADDERS TO FLIGHT DECK	No drawing or 2-Lima	REJECTED
MFG NEW LADDERS TO FLIGHT DECK	No drawing or 2-Lima	REJECTED
TK 6-103-0-W COATING FAILURE	No drawing or 2-Lima	REJECTED

Screening FPY

- Calculation:

$$FPY = 1 - \frac{[\#\ 2K\ inadequate + \#\ 2K\ rejected]}{[total\ \#\ planned + \#\ rejected]} \times 100$$

(first month taken) data shows fleet wide screening

Screening FPY

- Status:
  - NMD (D level) data collection automated and in place
  - NEMAIS (I level) will be automated in next software release (Sept 05)
  - Ship data should be posted on metrics web site by end of July/August
  - Plan is to collect data for 6 months prior to setting any entitlement levels

D Level data already being posted

Cost Estimating Requirements

A Reminder

Cost Estimating

- CNSF Notice 4701 –
  - ***"… ensuring there is an initial cost estimate in man-days and material dollars for all CSMP entries requiring off-ship assistance, including assessments and technical assistance."***

Cost Estimating

- Requirement –
  - Initially +/- 40%
- Why?
  - Dollar value of CSMP critical in budgeting decisions
  - Allows using MFOM as a tool for decision making

Integrated Class Maintenance Plan (ICMP)

CFT-1

Surface Ships

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SHIP INTEGRATED CLASS MAINTENANCE PROGRAM

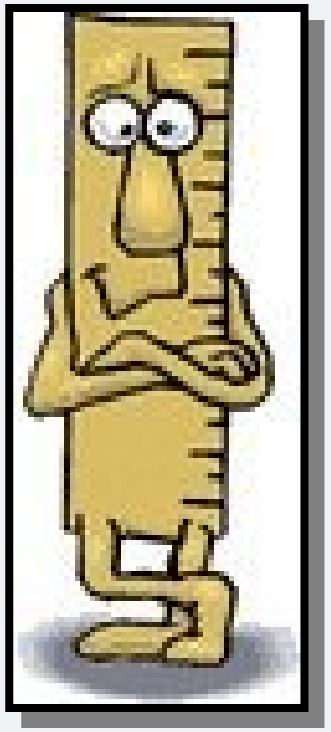
SHIPMAIN PROCESSES

PMS-ICMP INTEGRATION

COMMON ASSESSMENT TASKS

Overview

- **ICMP System Today**
- **SHIPMAIN Fundamental Tenets (CNSFNOTE 4701)**
- **ICMP Improvement Initiatives**



ICMP System Today

- **Engineered list of prescribed tech assist and I- & D-level scheduled and unscheduled maintenance and maintenance support tasks**
  - **Life Renewal Preventive Maintenance, Material Condition Assessments, Qualified Repairs, Alterations, and Availability Routines**
- **Task listing includes all Surface Force ship classes**
  - **Combatant, Amphibious, Auxiliary, Mine Warfare, and Patrol Combatant Ships**
- **Standardized tasks for standard equipment across ship classes and applications**
  - **Approximately 8,100 standardized tasks**
  - **More than 25,000 class specific tasks**
  - **Over 510,000 unique hull, equipment specific tasks**

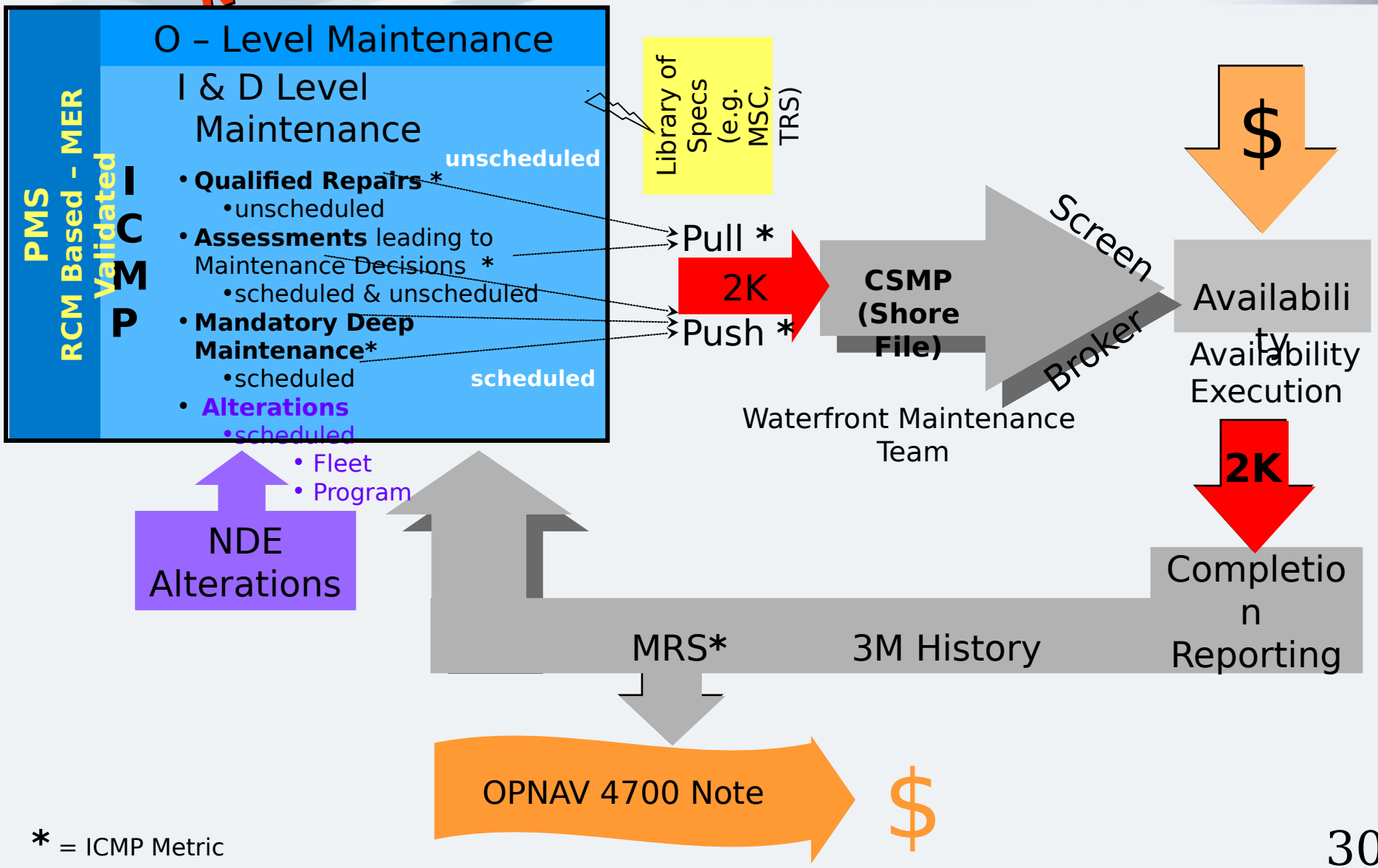
SHIPMAIN Fundamental Tenets

- ICMP system has a central role in the Surface Ship entitled business process
  - Single repository of engineered I-/D-level maintenance technical requirements
- ICMP repository includes material condition assessment requirements
- ICMP provides means of generating 2Ks
  - Push 2Ks to RMAIS for scheduled tasks
  - Pull 2Ks for nonscheduled tasks

SHIPMAIN Fundamental Tenets

- **Maintenance Teams must execute scheduled tasks in the CSMP**
  - **Or provide justification to higher authority for canceling or deferring tasks**
  - **This is an issue of technical authority**

ICMP in SHIPMAIN Process



* = ICMP Metric Source

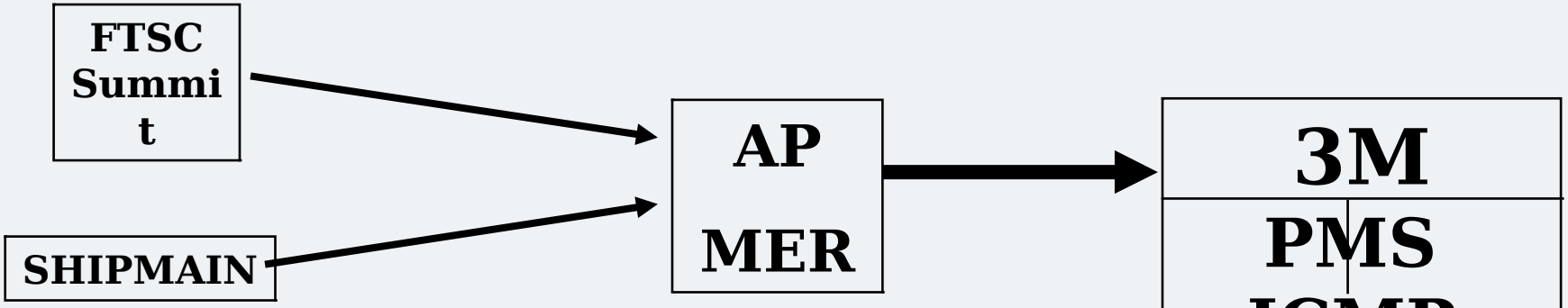
ICMP Improvement Initiatives

- Incorporate Common Assessment & other prescribed requirements
- Link potential repair requirements to assessment tasks
- Expand 2K Push concept
- Task deferral notification
- Provide ICMP-related training
- Monitor key performance metrics

Common Assessments

Initial Effort

- **FTSC Summit**
- **SHIPMAIN**
- **Modification to FTSC Summit Tasking**



MER – Maintenance Effectiveness Review

Potential Repair-Assessment Links

- Completion of assessments may result in one or more life renewal repair actions
- All repair actions must be documented on 4790/2Ks to be screened and brokered
- Links between assessment tasks and potential repair tasks are being established to facilitate generation of repair 2Ks

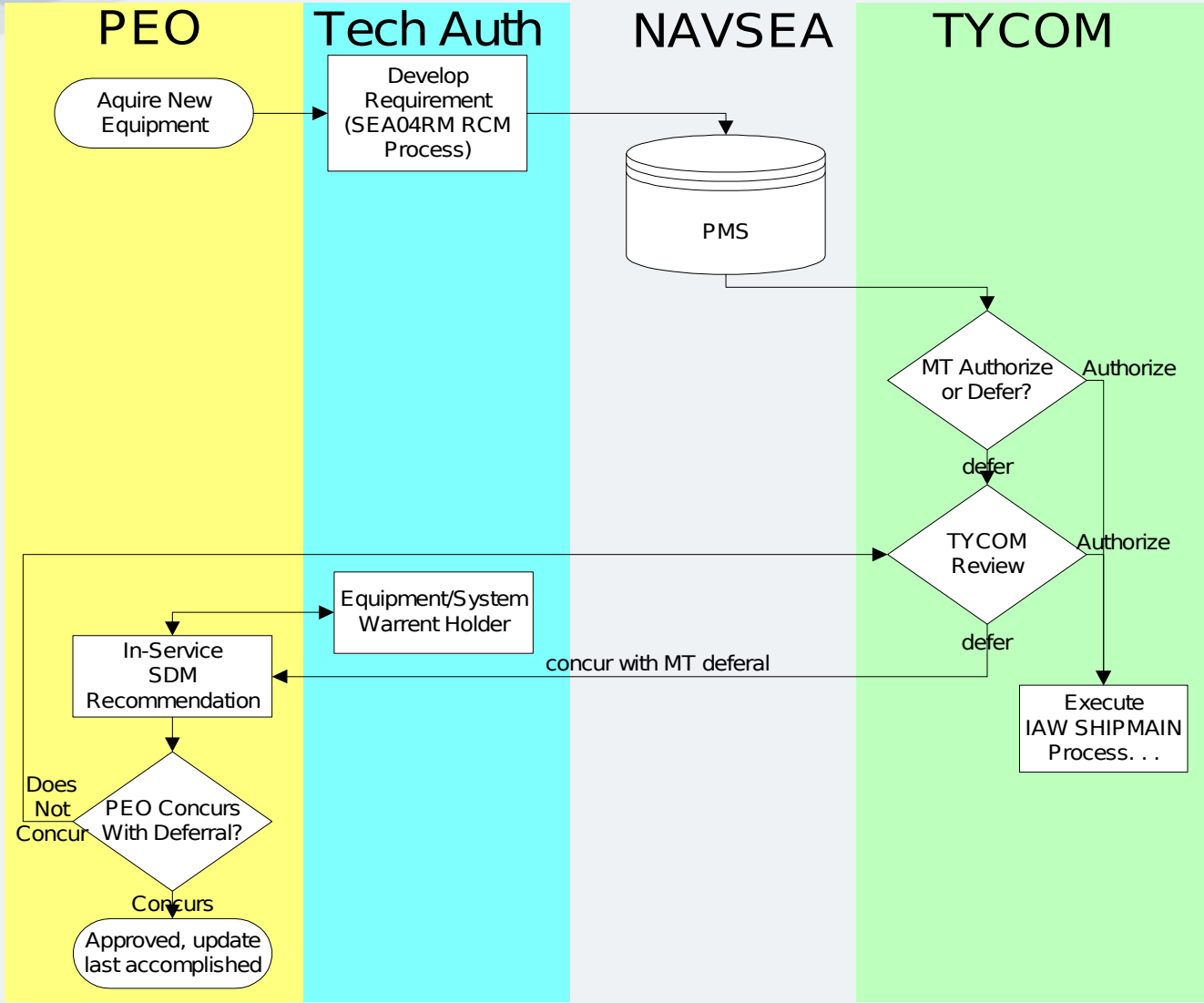
Common Assessments Scope

- **Initial surface ship effort covered FTSCLANT-accomplished HM&ERA and C5RA requirements**
- **More requirements to be incorporated**
  - **Non-HM&E & non-C5 equipments**
    - **E.g., Damage control; INSURV**
  - **HM&ERA & C5RA not done by FTSCs**
    - **E.g., Gun barrels, restoration program assessments**
- **Soliciting TYCOM staffs and others to identify requirements to fill in holes**

Expanding ICMP 2K Push

- **ICMP Scheduled Task 2K Push planning**
  - **USS Hue City test: January 2005**
  - **USS Philippine Sea test: Next**
  - **Remaining Mayport ships**
  - **Norfolk-based ships**
  - **San Diego-based ships**
  - **Remaining ships**

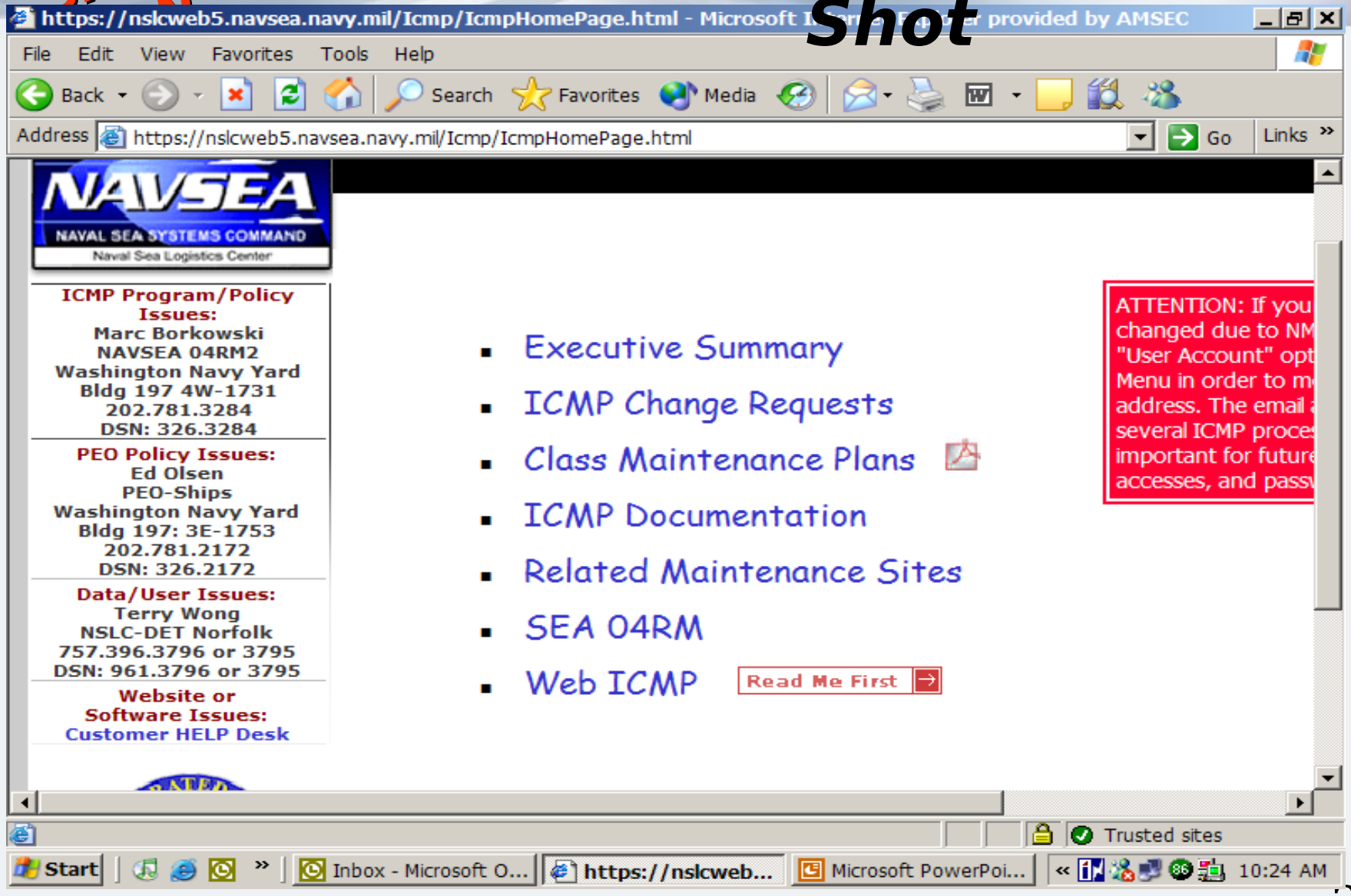
Task Deferral Notification Process



Training & Metrics

- **ICMP-related training**
  - **Incorporated into MST 5.0 training for Maintenance Teams**
- **Metrics**
  - **Many will be measured assessing the ICMP process**
- **ICMP Access**
  - **User account needed**
  - **“cmp.navsea.navy.mil”**

ICMP Screen Shot



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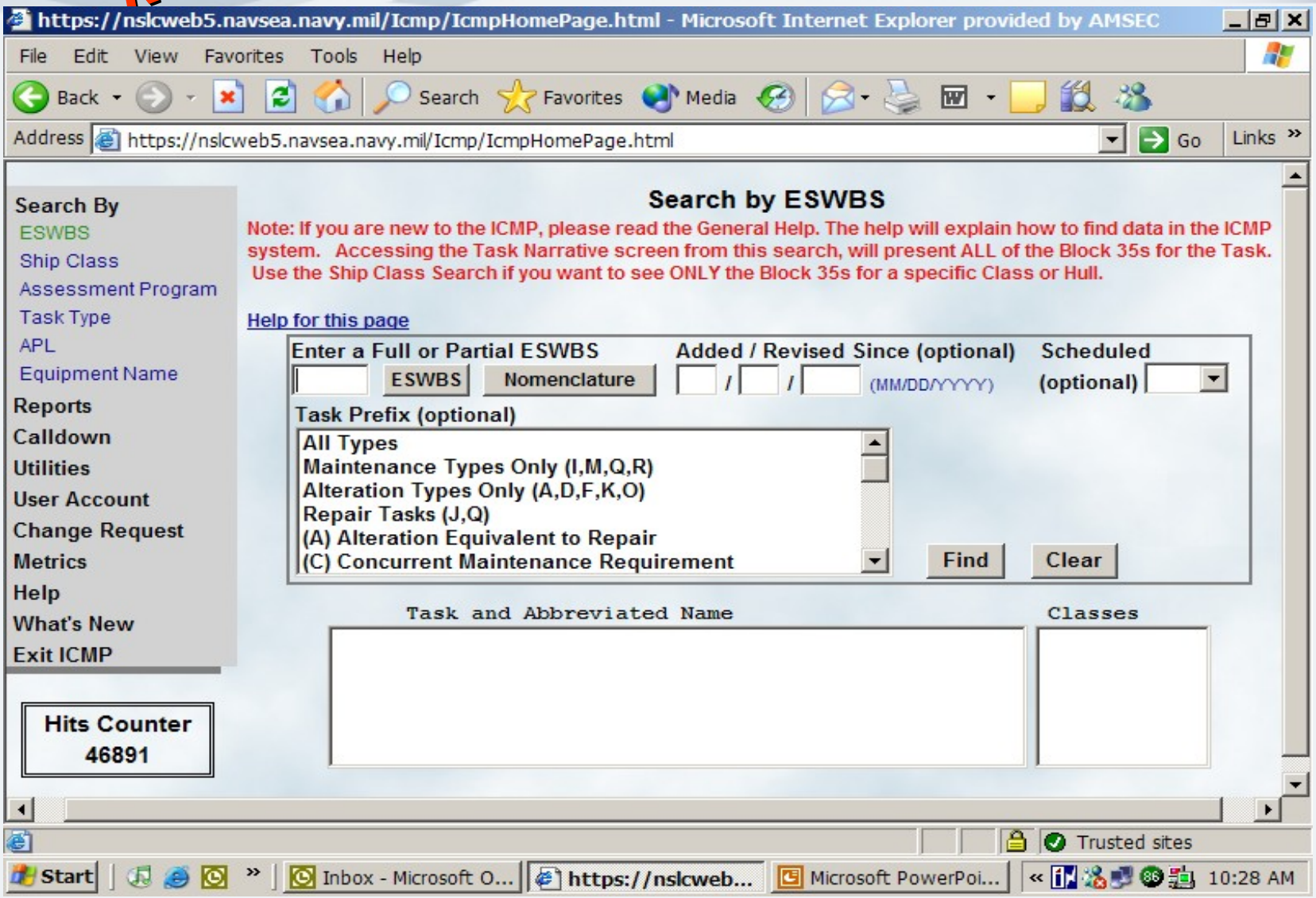
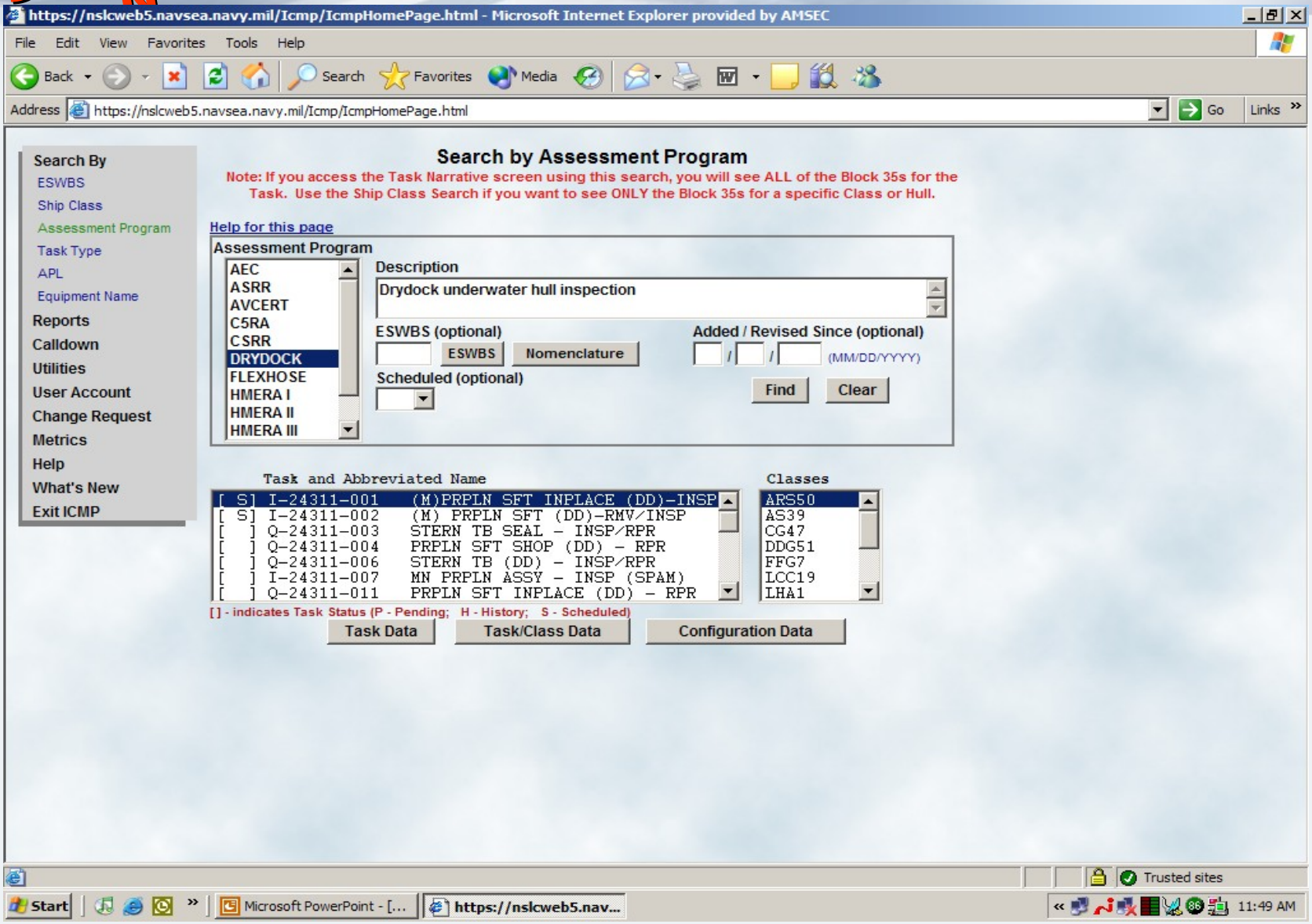
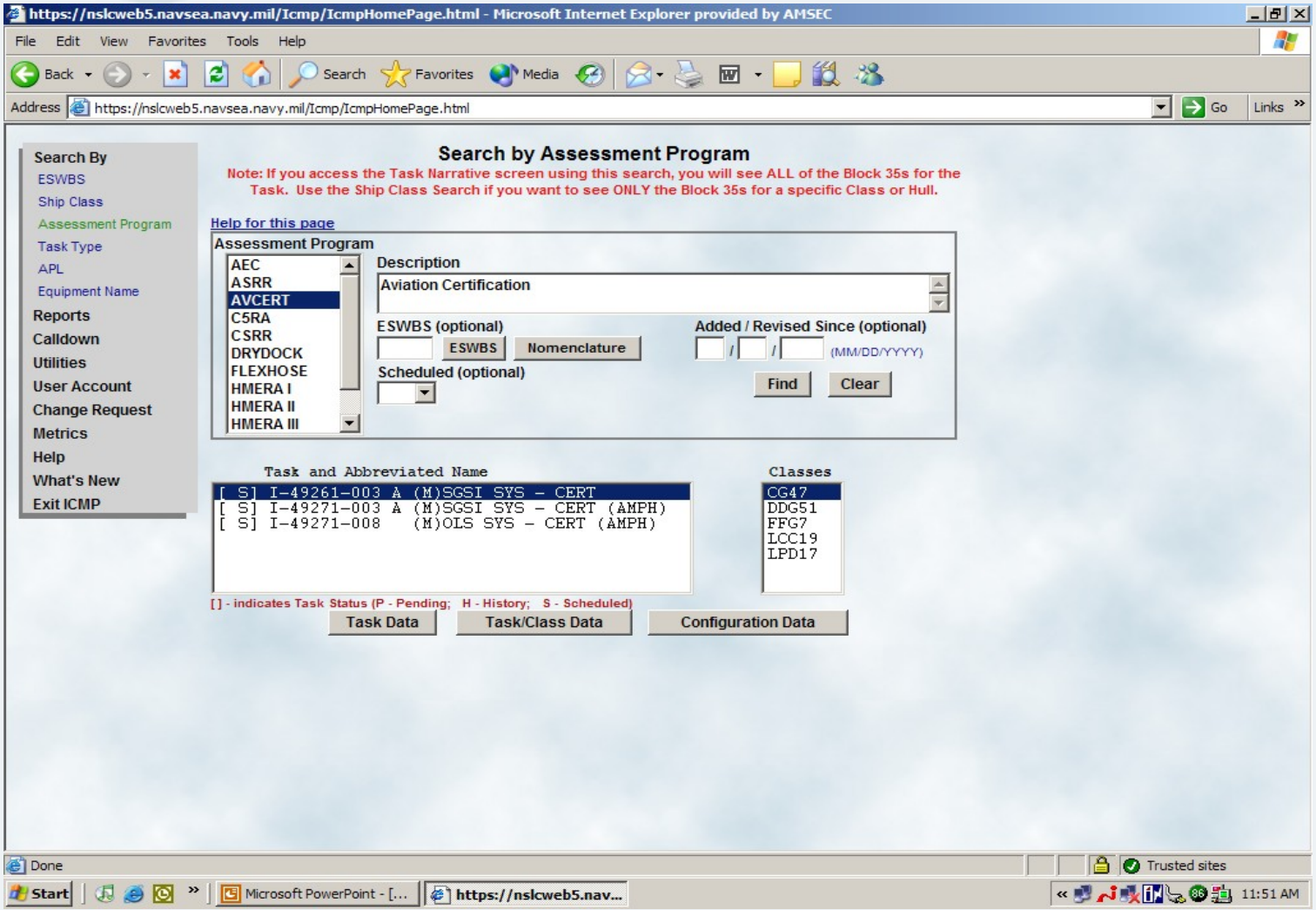


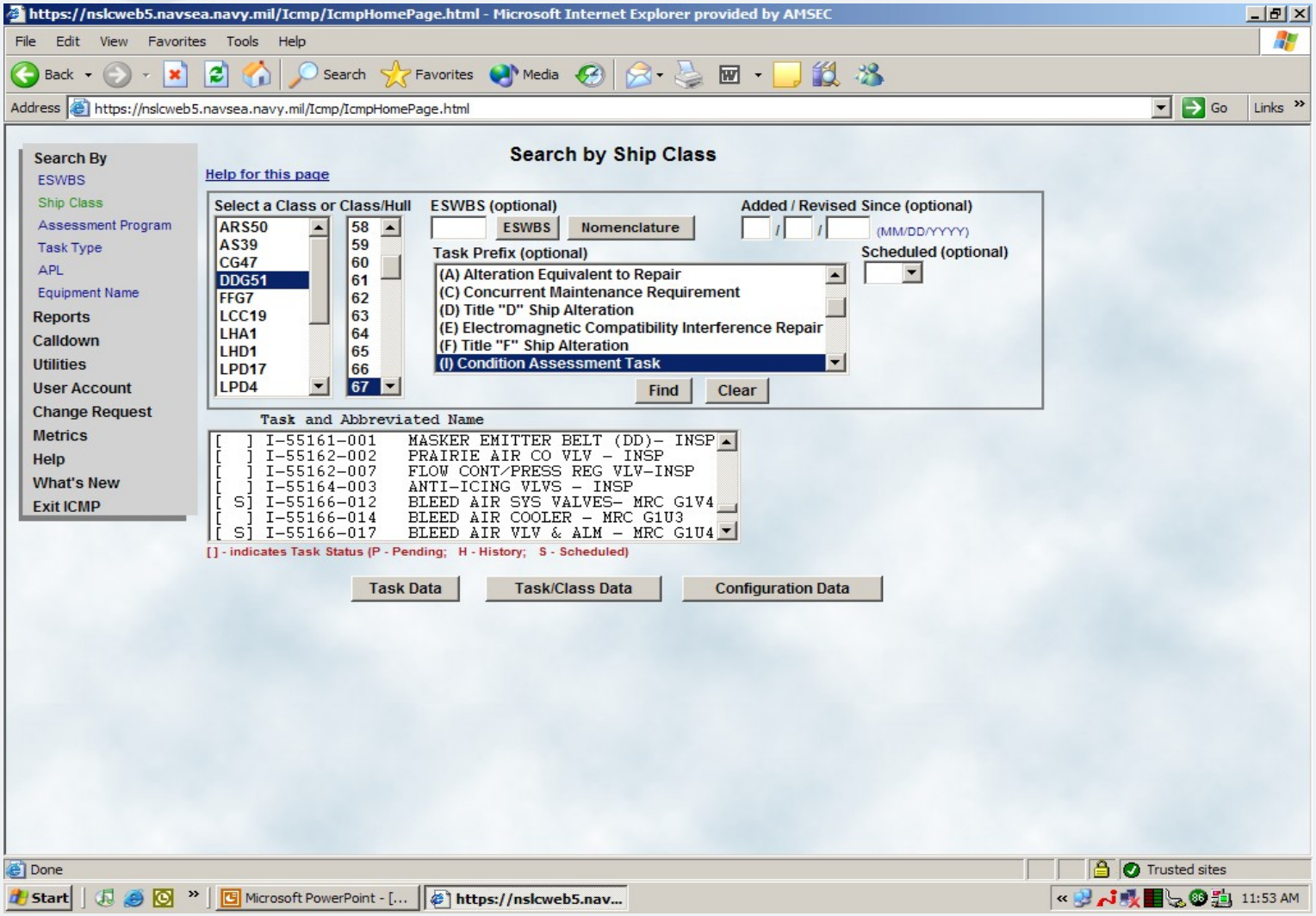
ICMP Screen Shot



ICMP Screen Shot



ICMP Screen Shot



MAINTENANCE SUPPORT TOOL

SHIPMAIN Maintenance Support Tool (MST

- MST ATTRIBUTES
- DISCUSS MST USE
- PROVIDE STATUS OF MST 5.0 ROLL C

MST ATTRIBUTES

- Portable
- Is Tailored to MT Ship Assignments
  - ✓ Import Ship specific SCLSIS files
  - ✓ Import Ship specific ICMP files
  - ✓ Import Ship specific specifications
  - ✓ Develop Contract Specific man-day rates
- Operates in a Windows Environment
- Increases User Performance
  Validating, Screening, brokering, estimating, assignin
- Linkage to other 2 Kilos
- Transfer & store supporting documentation
  - ✓ Electronic format, Vibration cuts, pictures, still & r

MST ATTRIBUTES

- Improves Data Transfer (NEMAIS, MFOM2, MRS)
  - ✓ Auto SCLSIS scan & Trouble highlight
  - ✓ Tailored SCLSIS support and correction
- Maintenance Team ship work history
- Communication portal
  - ✓ Import & Export SNAP
  - ✓ Import & Export OMMS-NG
  - ✓ Import & Export RMAIS
  - ✓ Complete maintenance communication with ship
- Has Analysis Capability
  - ✓ HASIT
    - o Metrics drill down & graphing
    - o Cost Rollup & Analysis
    - o Ship, Class, Region, ISIC, Force

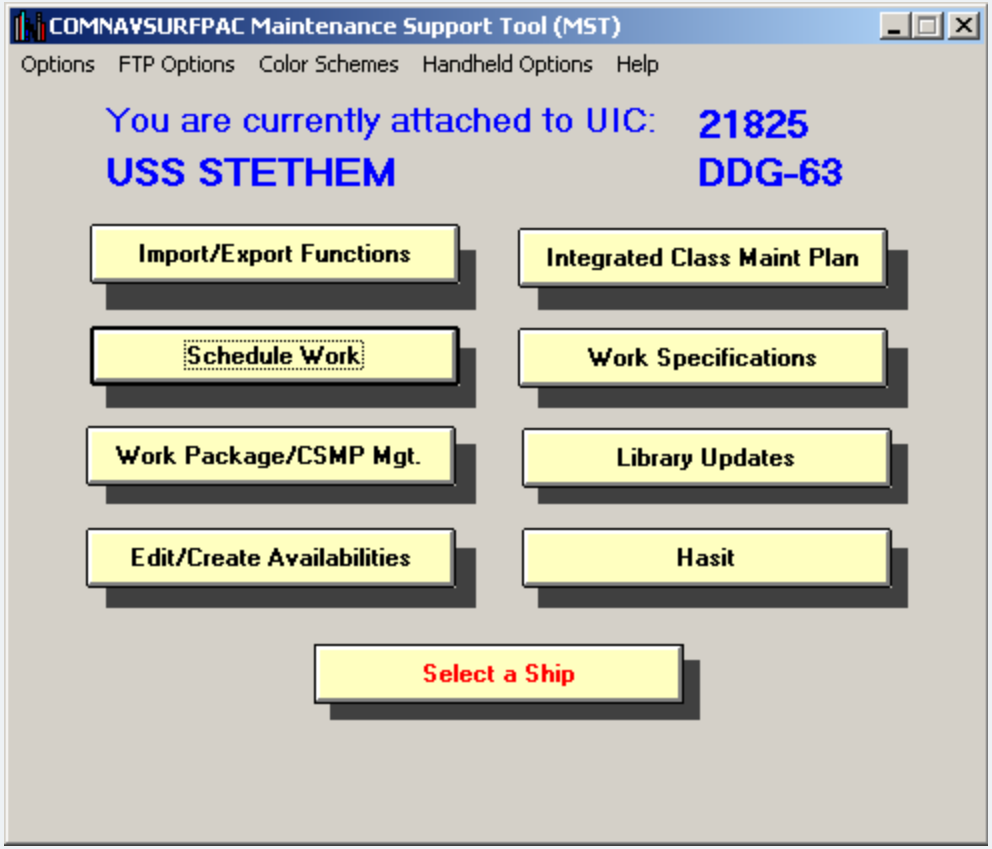
MST ATTRIBUTES

- Transfers CSMP 2 Kilo to & From PDA via MST-Lite
- Computes Maintenance Figure of Merit (MFOM)
- Allows Availability Development & Management
  - ✓ Financial Auto Accounting
  - ✓ Average Avail MFOM Computation
  - ✓ Complete Availability Recap Capability
- Adhoc Report Generation
  - ✓ Avail
  - ✓ MFOM Order
  - ✓ WC or SWLIN order
- Personalized Screen Display
- Streamlined PB4M Wardroom Display

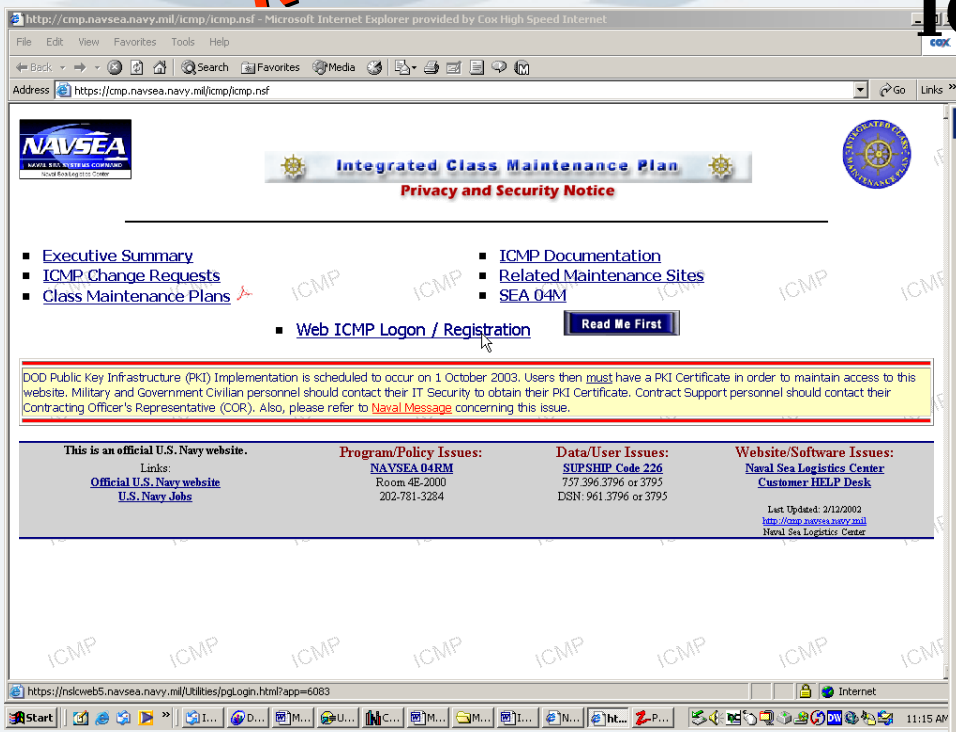
MST Screen Shots

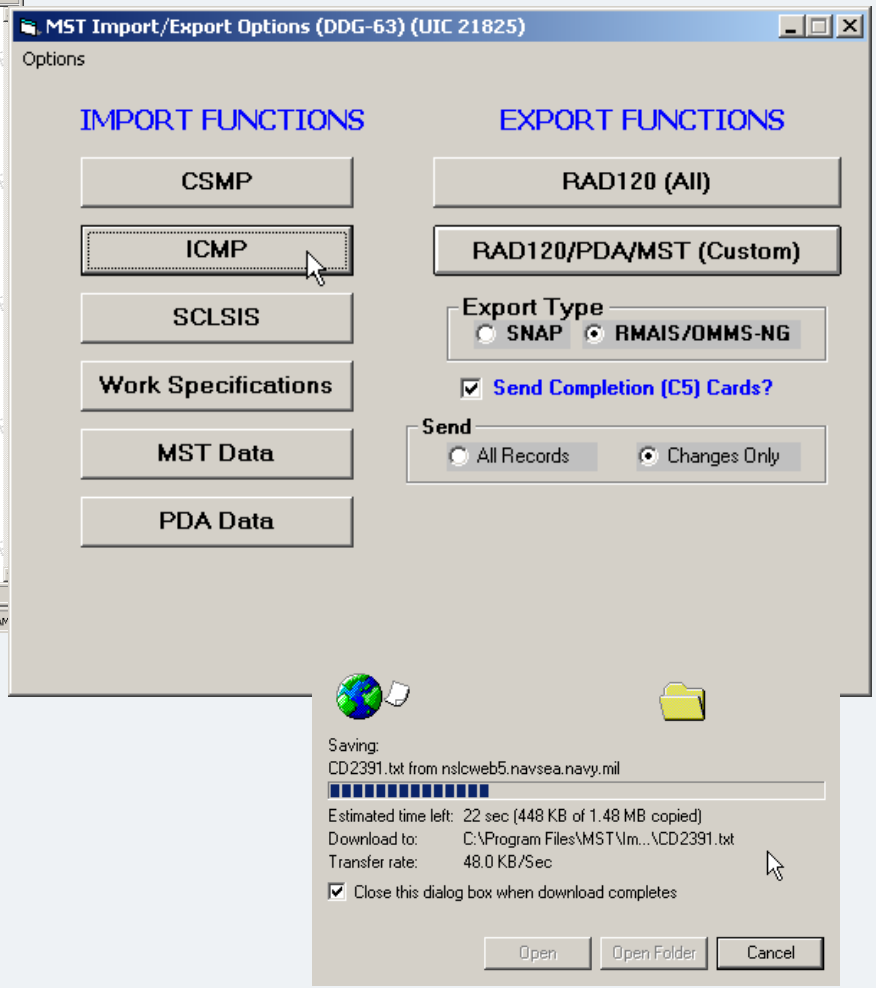
Intro to some of the functionality

The Main Switchboard – MST Functions

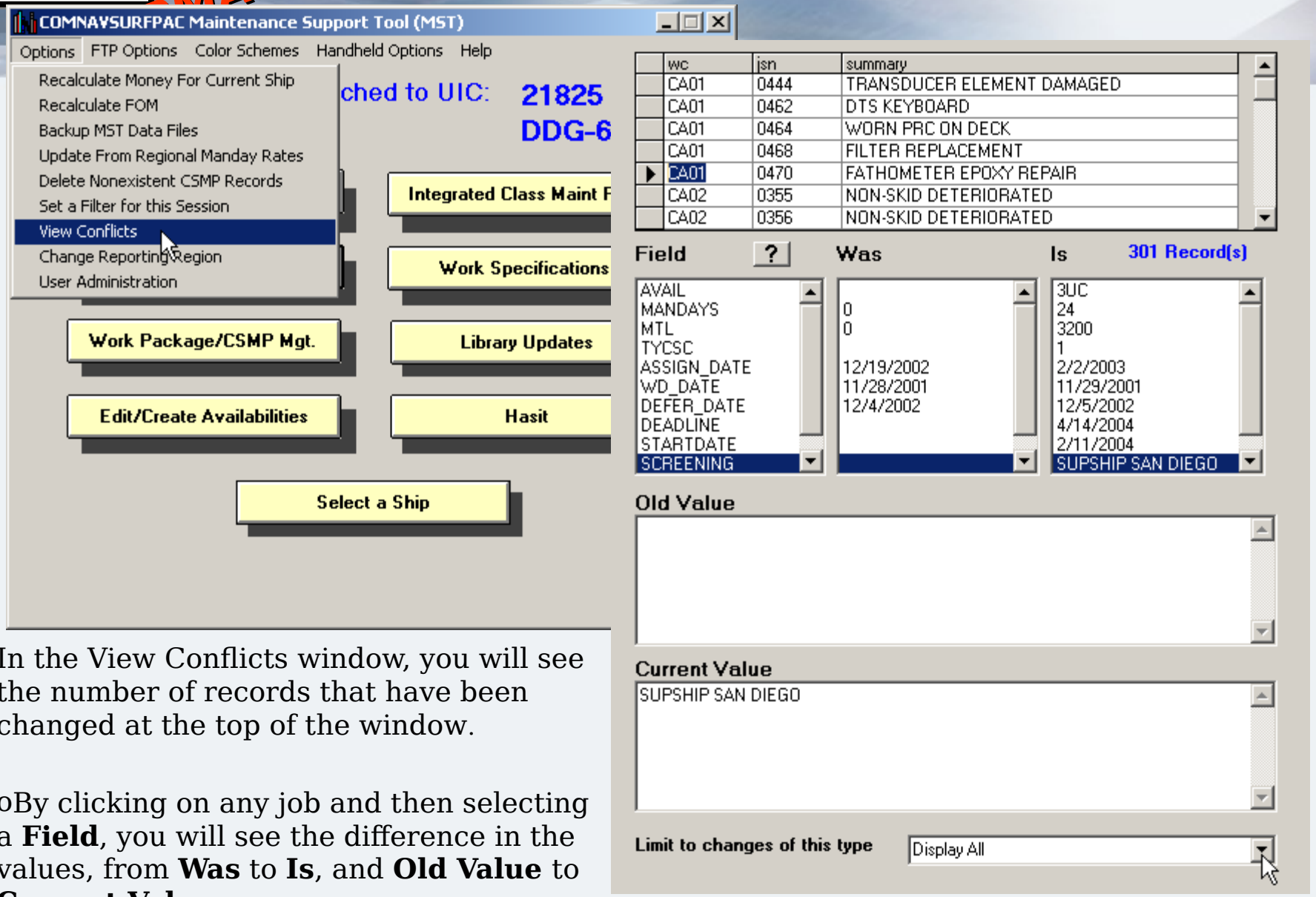


PERSONALIZING MST - IMPORTING YOUR ICMP


Integrated Class Maintenance Plan
Privacy and Security Notice
Executive Summary
ICMP Change Requests
Class Maintenance Plans
ICMP Documentation
Related Maintenance Sites
SEA 04M
Web ICMP Logon / Registration
Read Me First
DOD Public Key Infrastructure (PKI) Implementation is scheduled to occur on 1 October 2003. Users then must have a PKI Certificate in order to maintain access to this website. Military and Government Civilian personnel should contact their IT Security to obtain their PKI Certificate. Contract Support personnel should contact their Contracting Officer's Representative (COR). Also, please refer to Naval Message concerning this issue.
This is an official U.S. Navy website.
Program/Policy Issues:
Data/User Issues:
Website/Software Issues:
NAVSEA 04RM
SUPSHIP Code 226
Naval Sea Logistics Center
Customer HELP Desk



CSMP DE-CONFLICT CAPABILITY

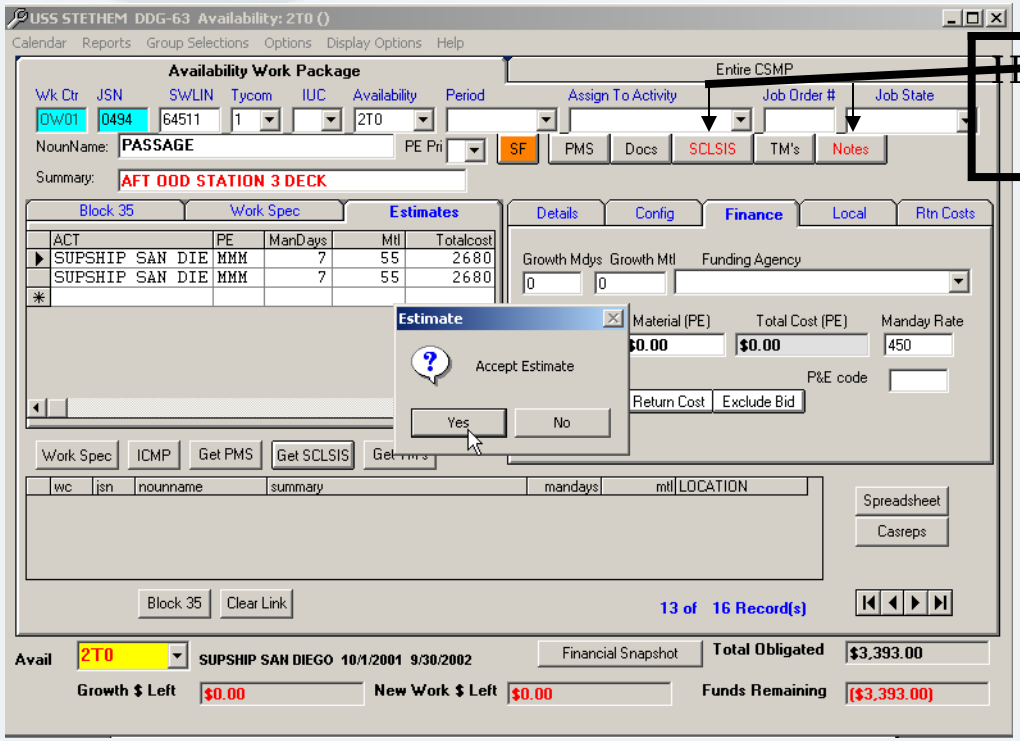


In the View Conflicts window, you will see the number of records that have been changed at the top of the window.

oBy clicking on any job and then selecting a **Field**, you will see the difference in the values, from **Was** to **Is**, and **Old Value** to **Current Value**.

MST MAJOR SCREENS
Estimating & Job Close Out Screens

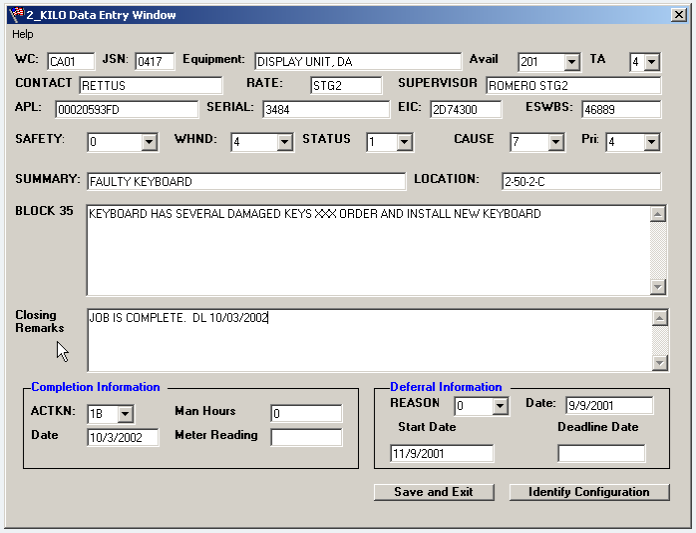
SHIPMAIN


USS STETHEM DDG-63 Availability: 2T0 ()
Calendar Reports Group Selections Options Display Options Help
Availability Work Package
Entire CSMP
Wk Ctr JSN SWLIN Tycom IUC Availability Period Assign To Activity Job Order # Job State
OW01 0494 64511 1 2T0
NounName: PASSAGE
PE Pri
SF PMS Docs SCLSIS TM's Notes
Summary: AFT OOD STATION 3 DECK
Block 35 Work Spec Estimates
Details Config Finance Local Rtn Costs
ACT PE ManDays Mtl Totalcost
SUPSHIP SAN DIE MMM 7 55 2680
SUPSHIP SAN DIE MMM 7 55 2680
Growth Mdys Growth Mtl Funding Agency
Material (PE) Total Cost (PE) Manday Rate
$0.00 $0.00 450
P&E code
Return Cost Exclude Bid
Estimate
Accept Estimate
Yes No
Work Spec ICMP Get PMS Get SCLSIS
wc jsn nounname summary mandays mtl LOCATION
Spreadsheet Casreps
Block 35 Clear Link
13 of 16 Record(s)
Avail 2T0 SUPSHIP SAN DIEGO 10/1/2001 9/30/2002
Financial Snapshot Total Obligated $3,393.00
Growth $ Left $0.00 New Work $ Left $0.00 Funds Remaining ($3,393.00)

ESTIMATING SCREEN FUNCTION

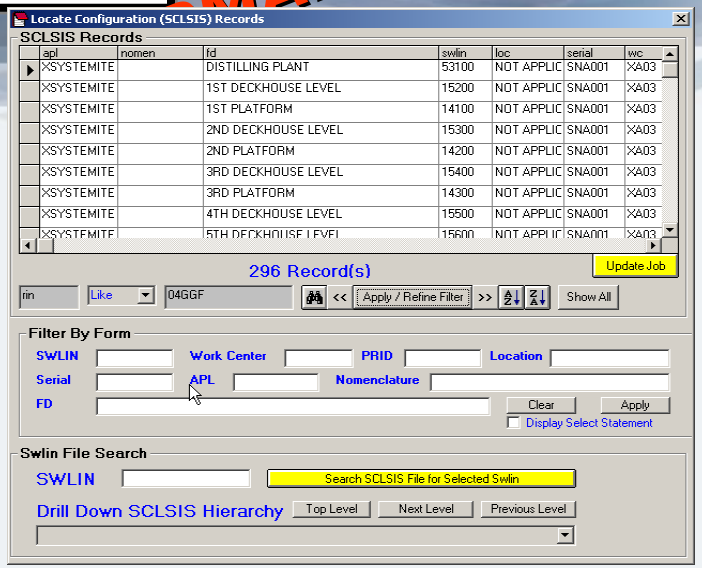
Highlighted Tabs denote Information

Additional Info can be accessed

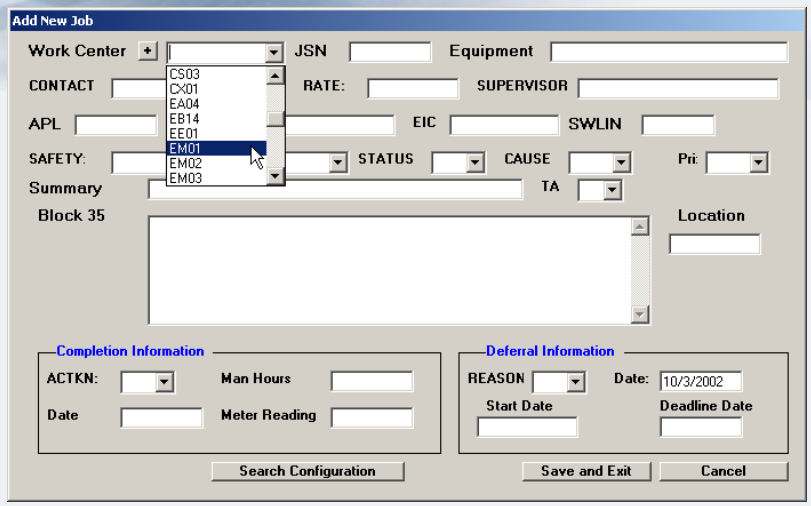

2_KILO Data Entry Window
Help
WC: CA01 JSN: 0417 Equipment: DISPLAY UNIT, DA Avail 201 TA 4
CONTACT RETTUS RATE: STG2 SUPERVISOR ROMERO STG2
APL: 00020593FD SERIAL: 3484 EIC: 2D74300 ESWBS: 46889
SAFETY: 0 WHND: 4 STATUS 1 CAUSE 7 Pri: 4
SUMMARY: FAULTY KEYBOARD LOCATION: 2-50-2-C
BLOCK 35 KEYBOARD HAS SEVERAL DAMAGED KEYS XXX ORDER AND INSTALL NEW KEYBOARD
Closing Remarks JOB IS COMPLETE. DL 10/03/2002
Completion Information
ACTKN: 1B Man Hours 0
Date 10/3/2002 Meter Reading
Deferral Information
REASON 0 Date: 9/9/2001
Start Date Deadline Date
11/9/2001
Save and Exit Identify Configuration

2 KILO JOB CLOSE OUT

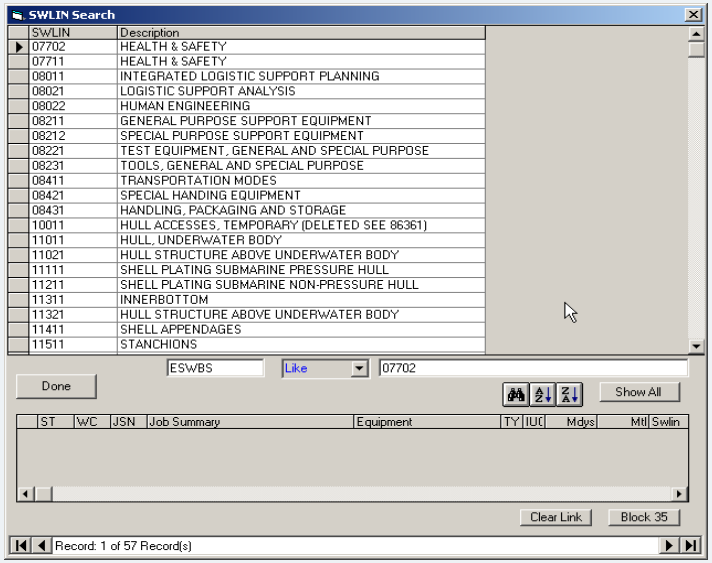
MST MAJOR SCREENS



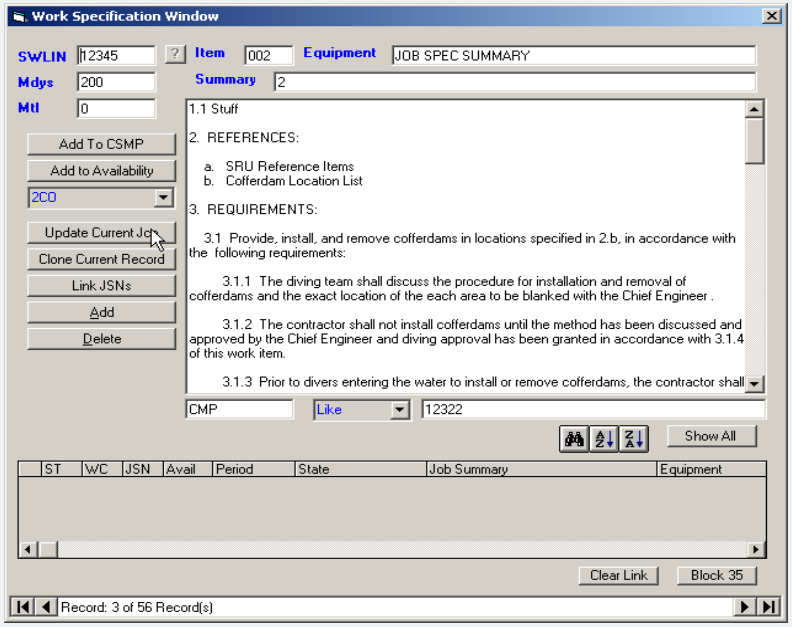
SCLSIS WORK SCREEN



2 Kilo GENERATOR


SWLIN Search
SWLIN Description
07702 HEALTH & SAFETY
07711 HEALTH & SAFETY
08011 INTEGRATED LOGISTIC SUPPORT PLANNING
08021 LOGISTIC SUPPORT ANALYSIS
08022 HUMAN ENGINEERING
08211 GENERAL PURPOSE SUPPORT EQUIPMENT
08212 SPECIAL PURPOSE SUPPORT EQUIPMENT
08221 TEST EQUIPMENT, GENERAL AND SPECIAL PURPOSE
08231 TOOLS, GENERAL AND SPECIAL PURPOSE
08411 TRANSPORTATION MODES
08421 SPECIAL HANDING EQUIPMENT
08431 HANDLING, PACKAGING AND STORAGE
10011 HULL ACCESSES, TEMPORARY (DELETED SEE 86361)
11011 HULL, UNDERWATER BODY
11021 HULL STRUCTURE ABOVE UNDERWATER BODY
11111 SHELL PLATING SUBMARINE PRESSURE HULL
11211 SHELL PLATING SUBMARINE NON-PRESSURE HULL
11311 INNERBOTTOM
11321 HULL STRUCTURE ABOVE UNDERWATER BODY
11411 SHELL APPENDAGES
11511 STANCHIONS
ESWBS
Like
07702
Done
Show All
ST WC JSN Job Summary Equipment TY IUC Mdys Mtl Swlin
Clear Link
Block 35
Record: 1 of 57 Record(s)

SWLIN DATABASE


Work Specification Window
SWLIN 12345
Item 002
Equipment JOB SPEC SUMMARY
Mdys 200
Summary 2
Mtl 0
1.1 Stuff
2. REFERENCES:
a. SRU Reference Items
b. Cofferdam Location List
3. REQUIREMENTS:
3.1 Provide, install, and remove cofferdams in locations specified in 2.b, in accordance with the following requirements:
3.1.1 The diving team shall discuss the procedure for installation and removal of cofferdams and the exact location of the each area to be blanked with the Chief Engineer .
3.1.2 The contractor shall not install cofferdams until the method has been discussed and approved by the Chief Engineer and diving approval has been granted in accordance with 3.1.4 of this work item.
3.1.3 Prior to divers entering the water to install or remove cofferdams, the contractor shall
Add To CSMP
Add to Availability
2CO
Update Current Job
Clone Current Record
Link JSNs
Add
Delete
CMP
Like
12322
Show All
ST WC JSN Avail Period State Job Summary Equipment
Clear Link
Block 35
Record: 3 of 56 Record(s)

SPECIFICATION DETAIL SCREEN

MST STATUS POA&M

(AS OF 29 AUG 05)

- MST 5.0 Completed SPAWARS NMCI Pre-Certification
- MST 5.0 Waiting EDS Final Test Certification
  - ✓ Funding process extremely slow
  - ✓ $$ allocated late February 05
  - ✓ NMCI approval for release estimated pending EDS Final Certification approx. - ECD 19 AUG 05
- Identification of MST Super Users ECD 15 JULY 05
  - ✓ Minimum 1 per RMC
  - ✓ Identification by RMC
- Training of MST Super Users -
  - ✓ San Diego 5 days 29 AUG 05
- RMC ISSM Implementation MOA's completed ECD 12 AUG 05
- Site Release – All RMC ECD 30 SEPT 05
- Installation
  - ✓ Tailoring to ship assignment
  - ✓ On site Training
  - ✓ Continuous Computer Based Training – Windows Meeting Place

Availability Milestones

CFT - 2

Milestones

- Continued debate becoming counter-productive
- One time CCB held mid-June 05
- ***Agreement reached. There will be no milestone changes for at least six months.***
- Will be published in July/Aug ACN to the JFMM but ***are in effect now.***
- **Goal?** Get the run-time. Get the feedback.

Surface Ships

SHIPMAIN

Shipmain Planning Process Milestones 8 Jul 05

Item #	Task / Milestone	Responsible Activity	CFT 4 and CFT 2 Entitled Process (in days)					Comments / Remedial Action
			CFT 4 Critical	CNO MSMO	CNO FFP	CMAV MSMO	CMAV FFP/IDIQ	
1	Establish CNO / CM Availability Schedule	TYCOM		A-720	A-720			FRP Baselines are developed on a 3 year cycle. ID CNO avails IAW with that cycle
2	**Fund Modernization Procurement & Installation - Decision Point 3**	**OPNAV / FLEET**		Varies	Varies			Depends on development and procurement timeline requirements.
3	Issue 2-year rolling Hull Modernization Plan (HMP)	SPM / NAVSEA / TYCOM		A-810 to A-450	A-810 to A-450			Advance planning document to be issued in July each year.
4	Identification of initial list HCPM for ALTS	PARM / Planning Yard		A-660	A-660			HCPM - HQ Centrally Procured Material. This should be for the entire ship class. This should include all known requirements
5	Provide Incremental Funding for HCPM / LLTM to meet req'd delivery dates	PARM / SPM		A-600	A-600			
6	Initiate procurement of HCMP LLTM	PARM / SPM		A-600	A-600			
7	PY Submit Funding Request for work assigned	Planning Yard		A-480	A-480			
8	Ship Change (SC) Design / Planning Funds provided	NAVSEA / TYCOM		A-420	A-420			SPAWAR generally funds in FY prior to execution year
9	Interface Control Drawing (ICD) Delivered to alteration developer / PY	PARM		A-420	A-420			
10	Provide Drawing list / schedule	Planning Yard		A-390	A-390	A-390	A-390	send list to RMC / MTs
11	Assign drawing development responsibility	PEO Ships		A-390	A-390	A-390	A-390	
12	Modernization Work package to support Ship check (Locked)	SYSCOM / TYCOM		A-390	A-390			
13	**Issue Hull Modernization Plan / Letter Of Authorization (including AITs)**	**SPM / NAVSEA / TYCOM**	**A-360**	**A-360**	**A-360**	**A-360**	**A-360**	HMPs to be issued in March each year to maintenance Teams to support MMBP. LOAs will be posted at A-360
14	Establish Availability in NMD	Maintenance Team		A-360	A-360	A-360	A-360	
15	Request Availability Funding for planning repair work	NSA		A-345	A-345	A-345	A-345	this provides funds for early executor planning
16	**Task / Fund SID Development**	**SPM / NSA / AIT / TYCOM / RMC Manager**	**A-330**	**A-330**	**A-330**	**A-330**	**A-330**	
17	Shipchecks completed	Planning Yard		A-270	A-270	A-270	A-270	No FRP considerations relate to this date.
18	Screen ICMP / TYCOM routines	TYCOM PC		A-270	A-270	A-270	A-270	push ICMP work items to CSMP NLT A-270
19	**Provide incremental funds for ordering LLTM for both repair and alt / mod work to meet req'd dates**	**SYSCOM / TYCOM**	**A-270**	**A-270**	**A-270**	**A-270**	**A-270**	
20	50% of D-level maintenance work package 2K's locked based on $	Maintenance Team		A-240	A-240	NA	NA	intent is that the planning activity continually develops specs in the most cost effective manner and not batch this work in front of the next pkg development milestone
21	**Issue/ Deliver SIDs to NSA for KTRs and AITs**	**Planning Yard**	**A-180**	**A-180**	**A-240**	**A-180**	**A-180**	This is a change from A-4. Including all SIDs for AITs. For FFP contracts, this milestone should occur at A-8 when possible and NLT A-180
22	Request Availability Funding for both repair & modernization work	NSA / RMC		A-180	A-180	A-180	A-180	
23	All Modernization Risk Assessments (including waivers) submitted	PARM/SPM/TYCOM		A-175	A-175	A-175	A-175	
24	All Modernization Risk Assessments (including waivers) approved	TYCOM		A-150	A-150	A-150	A-150	
25	**Identification of AIT Support / Schedule / Impact requirements**	**AIT Manager**	**A-135**	**A-135**	**A-180**	**A-135**	**A-168**	Need to develop a complete requirements list. Needs to be integrated with repair reqmt's by the KTR and presented at the WPFR

26	80% of D-level maintenance work package 2K's locked based on $	Maintenance Team		A-120	A-210	NA	NA	intent is that the planning activity continually develops specs in the most cost effective manner and not batch this work in front of the next pkg development milestone
27	**Cert Plan(s) (eg ILS, software etc) approved. Final date for modernization Ship Change (SC) approval. LOA locked.**	**SPM / PARM / PM**	**A-120**	**A-120**	**A-120**	**A-120**	**A-120**	SPM approves Hull Certification. All unresolved PNA modernization Ship Changes (SCs) are removed from the authorization letter at this date. Please note: There is an Interim Policy covering the Fleet Commanders C5I MP policy for approving the Weapon System Baseline Certification at A-30 (CFFC MSG 032037Z MAY 2004)
28	100% of O level maintenance work package locked	Ship's Force		A-120	A-120	A-30	A-30	intent is to provide work to be accomplished so that an integrated execution sked can be developed for the WPER
29	Award AIT contracts for work not being done by prime KTR	AIT Sponsor		A-90	A-90	A-90	A-90	
30	I-level work package fully brokered	Maint Team / Ship's Force		A-90	A-90	A-40	A-40	intent is to fully broker all known work to I-level by this date
31	I-level work package fully accepted	RMC		A-75	A-75	A-33	A-33	intent is for I-level to accept or reject all work brokered to it up to this point in time, work entering later in the process will be subject to normal Business Case Analysis
32	**Provide Availability Funding for Modernization to the RMC**	**SYSCOMS / PEO / TYCOM**	**A-75**	**A-75**	**A-75**	**A-75**	**A-75**	includes funding for AIT's support services
33	100% of D-level maintenance work package 2K's locked based on $	Maintenance Team		A-75	A-170	A-30	A-60	
34	Solicit Bids	RMC		N/A	A-120	N/A	A-40	If CMAV is to be performed under an IDIQ contract and is over $500k we may need to add 30 days for solicitation IAW Fair Value purchasing policy. This would reset the CMAV solict bid milestone to A - 70
35	100% of D-level maintenance work package 2K's planned, estimated +TAR'd	Planning Activity		A-60	A-155	A-25	A-50	
36	Submit I-level work package and schedule to KTR for integration	RMC		A-60	A-60	A-30	A-30	
37	Perform risk assessments and verify deliverables to KTR (O,I,D work items and AIT sked reqmts)	Maintenance Team		A-60	NLT A-60	A-25	A-25	this is to confirm that the KTR has all input for his deveopment of the integrated avail sked
38	SHAPEC Package turnover	SHAPEC		N/A	A-135	N/A	N/A	
39	MSMO contractor "publish" pkg in NMD	MSMO Contractor		A-60	N/A	A-25	N/A	
40	MSMO contractor turn over spec package	MSMO Contractor		A-60	N/A	A-25	N/A	
41	Cutoff for bidders questions	PCO		N/A	A-100	N/A	A-35	
42	Submit Bids	Contractor		N/A	A-90	N/A	A-30	
43	Award Contract	RMC		N/A	A-60	N/A	A-20	
44	MSMO contractor submit final package cost proposal	MSMO contractor		A-55	N/A	A-20	N/A	
45	Definitze Work Packages	RMC		A-45	N/A	A-18	N/A	
46	Deliver Material (LLTM and Kitted Materials) to Executing Activity	Planning Yards / PARM		A-30	A-30	A-20	A-20	
47	Conduct Work Package Execution Review (WPER) - finalize funding	Maintenance Team		A-30	A-30	A-21	A-10	KTR presents fully planned execution sked (could be a Gantt chart) to the full MT.
48	**Start of Availability**	Maintenance Team		A-0	A-0	A-0	A-0	
	Provide Maintenance and Modernaization Business Plan (MMBP) budget guidance to RMC	TYCOM		Feb of Prior FY	Feb of Prior FY	Feb of Prior FY	Feb of Prior FY	
	Negotiate MMBPs with TYCOM	RMC / SPM		Mar of Prior FY	Mar of Prior FY	Mar of Prior FY	Mar of Prior FY	start in March complete by June

CFT 4

CRITICAL MILESTONES

6 July 05

CRITICAL MILESTONES

- Entitled Process Business Rules require that Critical Milestones must be achieved or an approved Risk Assessment and Mitigation Plan (see attached details) must be completed for the Ship Change (SC) .
- Critical Milestones (7)
  - Issue Hull Modernization Plan / LOA (including AITs)
  - Task / Fund SID Development
  - Provide Incremental Funds for ordering ICP LLTM
  - Issue / Deliver SIDs TO NSA for KTR and AITs
  - Identify AIT Support / Schedule / Impact requirements
  - CERT Plan(s) (e.g. ILS, software, etc). Final date for Modernization SC approval. LOA Locked.
  - Provide Availability Funding for Modernization to RMC

DEFERRAL PROCESS METHODOLOGY

- Responsible Activity Develops Risk Assessment and Mitigation Plan for the Seven Critical Milestones
- Risk Assessment and Mitigation Plan shall be submitted to TYCOM/SPM for Approval
  - IAW current Policy
- TYCOM/SPM Approves or Rejects Plan
- Rejected SCDs will require modification of the Modernization Plan

METHODOLOGY
(Risk Assessment)

- Developed by Responsible Authority for the Specific Milestone
- Contents:
  - Anticipated Issues, including Mission Criticality
  - Risk (If no action taken)
    - Financial, Man-hours, Impact on other milestones, Availability Schedule and Mission
  - Mitigation Plan
    - Plan Description, Implementation Issues, Cost Impact (Dollars and Man-hours) and Assessment of Success Rate
- Submitted to TYCOM/SPM for Approval

Feedback Issues

CFT - 3

Hotwash Changes

- Hotwash Web Site
  - Better organized
  - More user friendly

- Still embedded in the SHIPMAIN (spear.navy.mil) site

Hot Wash Web Site

Documents
Hot Wash Meeting Information
Hot Wash Meeting Tools
TEAM SHIPS Meetings
Other Hot Wash Information
Pictures
Lists
Contacts
Discussions
General Discussion
Surveys
Quick Launch
Address https://sharesrv.spear.navy.mil/sites/HotWash/default.aspx
Home
Documents and Lists
Create
Site Settings
Help
Hot Wash Web Site
Home
Modify Shared Page
Announcements
Global Issue Status Spreadsheet - 5/31/05 6/2/2005 4:51 PM
by Inga K. Magi (202) 741-1189
Global issues identified at Hot Wash meetings are captured in this spreadsheet along with any updates provided by the global POCs.
TEAM SHIPS Feedback Meeting (Super Hot Wash) 6/1/2005 7:51 AM
by Inga K. Magi (202) 741-1189
The TEAM SHIPS Feedback Meeting is scheduled for 8-9 June 2005 in San Diego. Check the events calendar!
Super Hot Wash (TEAM SHIPS Handbook and Hot Wash Meeting) 3/15/2005 3:32 PM
by Inga K. Magi (202) 741-1189
The TEAM SHIPS Handbook and Hot Wash Meeting was held on 9-10 February in San Diego, CA. Minutes from this meeting are posted here.
2004 Hot Wash Annual Report 3/15/2005 3:31 PM
by Inga K. Magi (202) 741-1189
PEO SHIPS-F published the 2004 Hot Wash Annual Report in January 2005. This report includes a summary of Hot Wash activity over the year, identified global process issues, challenges faced in the Hot Wash process, and a way ahead. A list of...
Add new announcement
Events
6/8/2005 8:00 AM TEAM SHIPS Feedback Meeting ("Super Hot Wash")
The TEAM SHIPS Feedback Meeting is scheduled for 8-9 June in San Diego at the Admiral Kidd Center. Conference fee is $30. Attached here are read-aheads. If you have any questions about this event, please contact Inga Magi (202-741-1189, imagi@alionscience.com).
Add new event
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Maintenance
Teamwork
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Links
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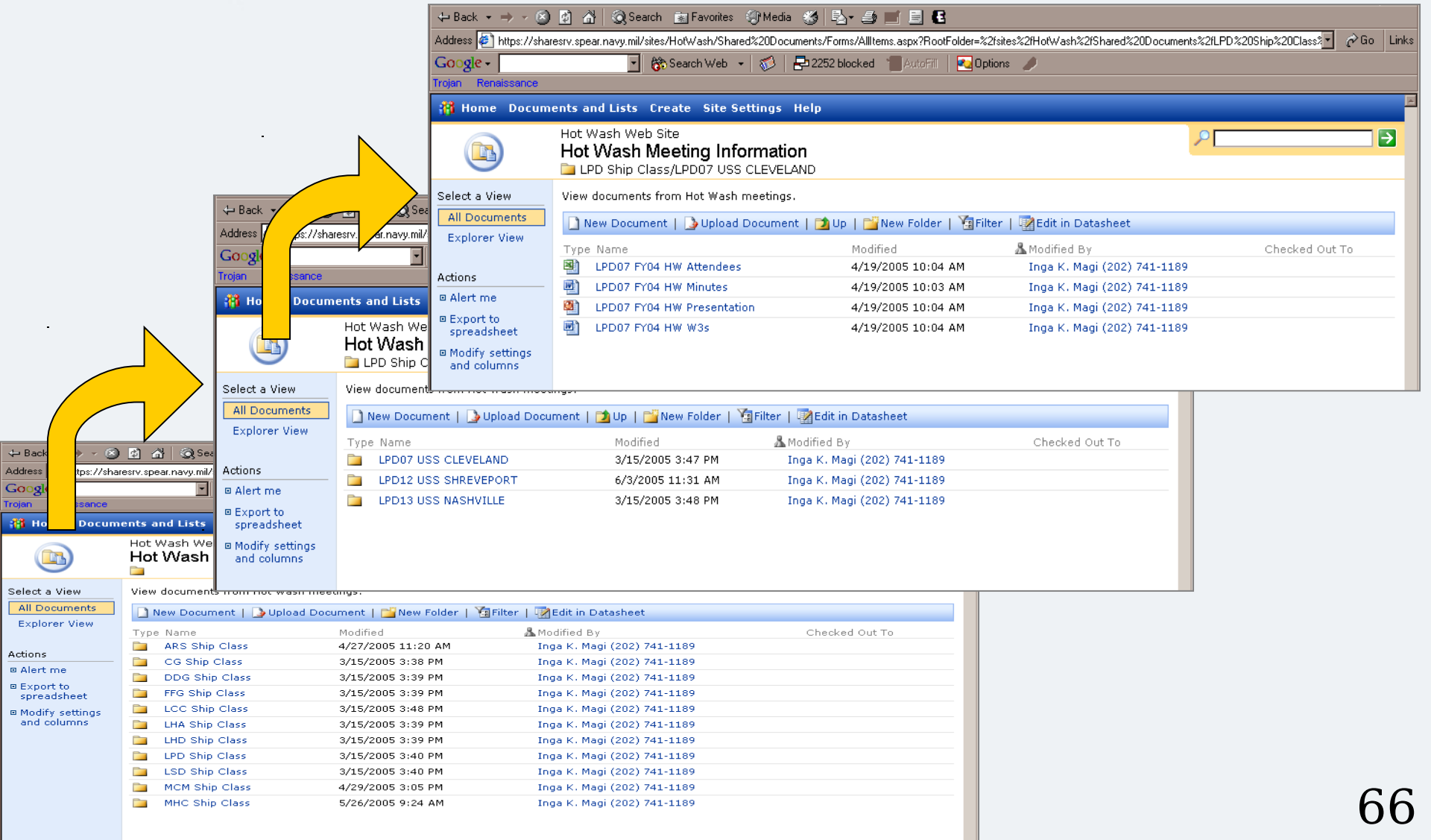
"Hot Wash Meeting Information"


Hot Wash Web Site
Hot Wash Meeting Information
LPD Ship Class/LPD07 USS CLEVELAND
View documents from Hot Wash meetings.
New Document | Upload Document | Up | New Folder | Filter | Edit in Datasheet
Type Name Modified Modified By Checked Out To
LPD07 FY04 HW Attendees 4/19/2005 10:04 AM Inga K. Magi (202) 741-1189
LPD07 FY04 HW Minutes 4/19/2005 10:03 AM Inga K. Magi (202) 741-1189
LPD07 FY04 HW Presentation 4/19/2005 10:04 AM Inga K. Magi (202) 741-1189
LPD07 FY04 HW W3s 4/19/2005 10:04 AM Inga K. Magi (202) 741-1189
LPD07 USS CLEVELAND 3/15/2005 3:47 PM Inga K. Magi (202) 741-1189
LPD12 USS SHREVEPORT 6/3/2005 11:31 AM Inga K. Magi (202) 741-1189
LPD13 USS NASHVILLE 3/15/2005 3:48 PM Inga K. Magi (202) 741-1189
ARS Ship Class 4/27/2005 11:20 AM Inga K. Magi (202) 741-1189
CG Ship Class 3/15/2005 3:38 PM Inga K. Magi (202) 741-1189
DDG Ship Class 3/15/2005 3:39 PM Inga K. Magi (202) 741-1189
FFG Ship Class 3/15/2005 3:39 PM Inga K. Magi (202) 741-1189
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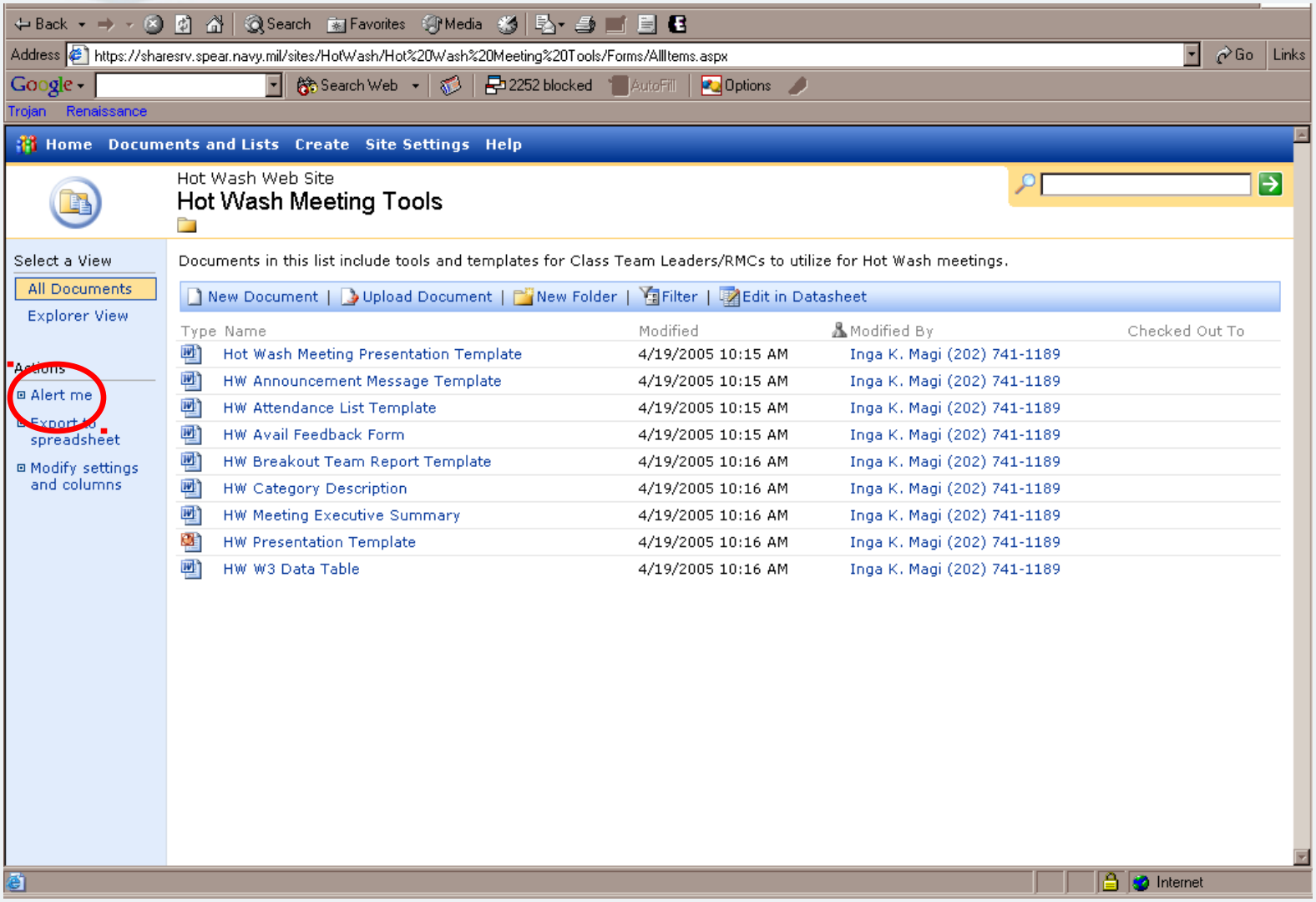
LHA Ship Class 3/15/2005 3:39 PM Inga K. Magi (202) 741-1189
LHD Ship Class 3/15/2005 3:39 PM Inga K. Magi (202) 741-1189
LPD Ship Class 3/15/2005 3:40 PM Inga K. Magi (202) 741-1189
LSD Ship Class 3/15/2005 3:40 PM Inga K. Magi (202) 741-1189
MCM Ship Class 4/29/2005 3:05 PM Inga K. Magi (202) 741-1189
MHC Ship Class 5/26/2005 9:24 AM Inga K. Magi (202) 741-1189

"Hot Wash Meeting Tools"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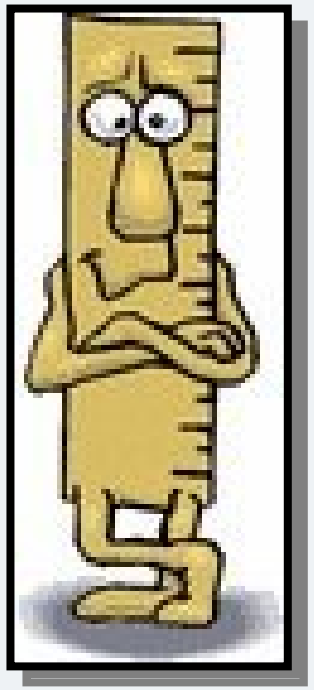
Help
Hot Wash Web Site
Hot Wash Meeting Tools
Select a View
All Documents
Explorer View
Actions
Alert me
Export to spreadsheet
Modify settings and columns
Documents in this list include tools and templates for Class Team Leaders/RMCs to utilize for Hot Wash meetings.
New Document | Upload Document | New Folder | Filter | Edit in Datasheet
Type Name Modified Modified By Checked Out To
Hot Wash Meeting Presentation Template 4/19/2005 10:15 AM Inga K. Magi (202) 741-1189
HW Announcement Message Template 4/19/2005 10:15 AM Inga K. Magi (202) 741-1189
HW Attendance List Template 4/19/2005 10:15 AM Inga K. Magi (202) 741-1189
HW Avail Feedback Form 4/19/2005 10:15 AM Inga K. Magi (202) 741-1189
HW Breakout Team Report Template 4/19/2005 10:16 AM Inga K. Magi (202) 741-1189
HW Category Description 4/19/2005 10:16 AM Inga K. Magi (202) 741-1189
HW Meeting Executive Summary 4/19/2005 10:16 AM Inga K. Magi (202) 741-1189
HW Presentation Template 4/19/2005 10:16 AM Inga K. Magi (202) 741-1189
HW W3 Data Table 4/19/2005 10:16 AM Inga K. Magi (202) 741-1189
Internet

SHIPMAIN Feedback

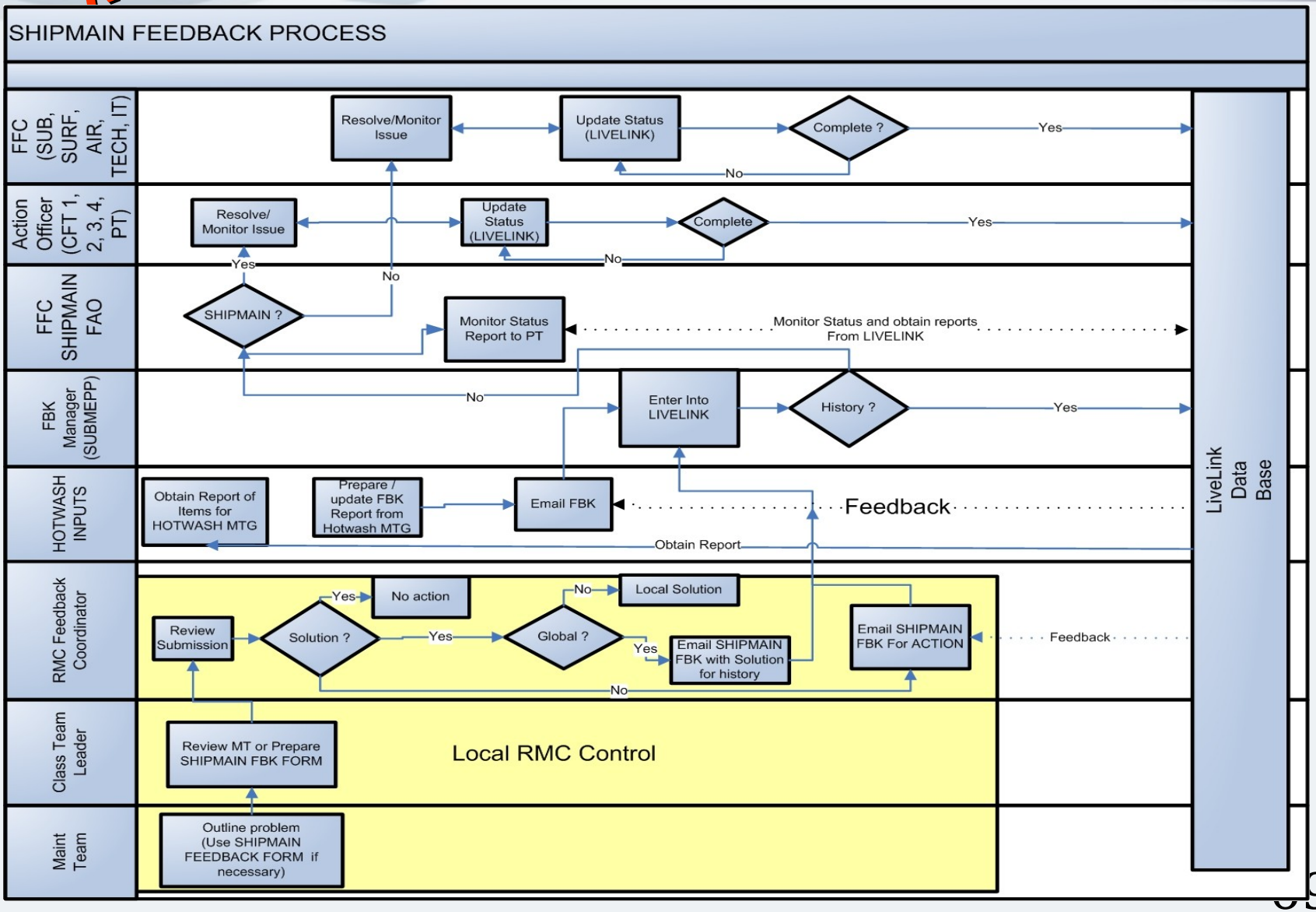
- This is a new tool
- Real-time, centrally managed, web based data base specifically aimed at SHIPMAIN process
- Works in conjunction with Hot Wash process
- ***Your tool.*** Goes live July/Aug



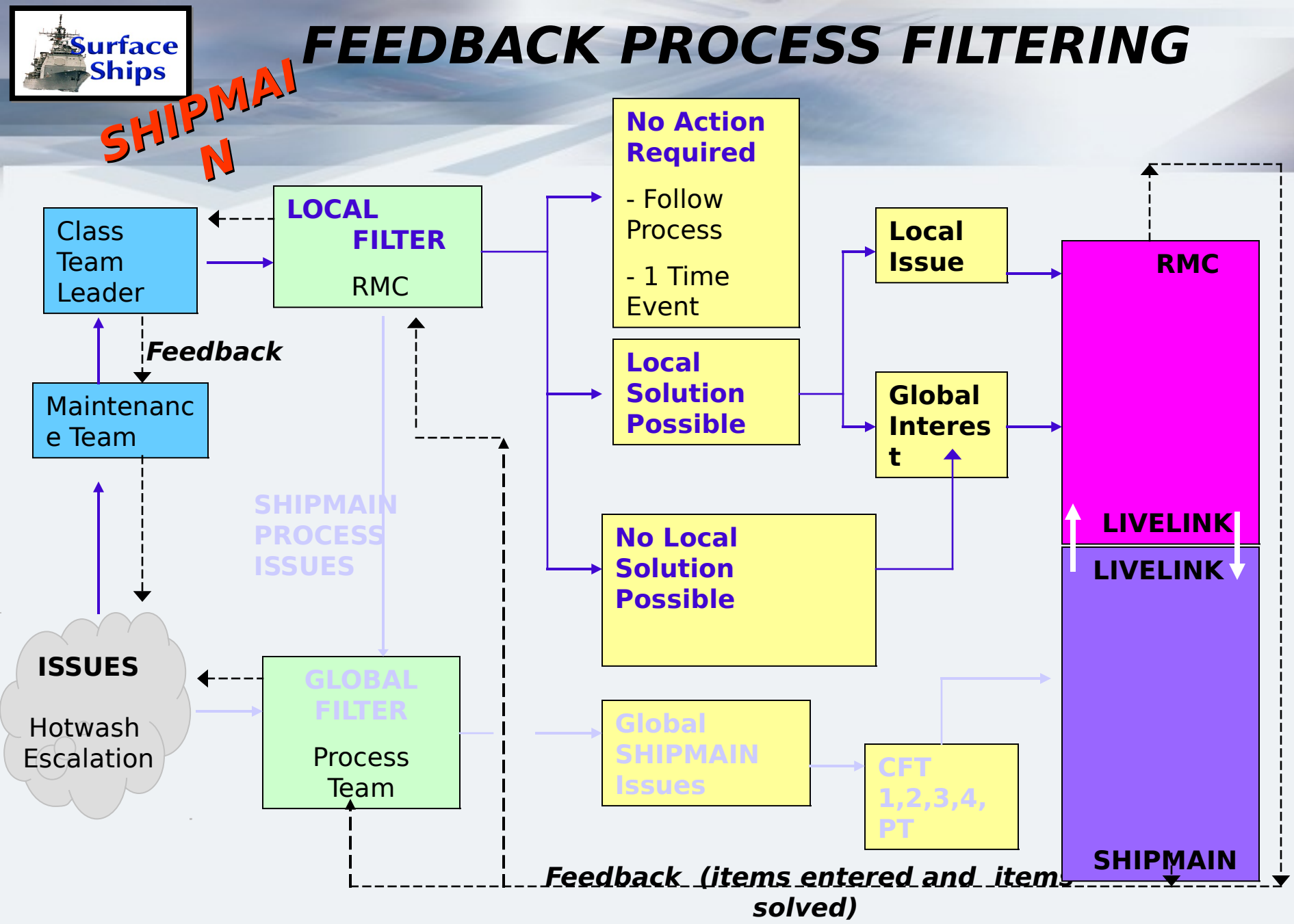
Surface Ships

SHIPMAIN

Feedback Process



FEEDBACK PROCESS FILTERING



Surface Ships

SHIPMAIN

JFMM Home Page - Microsoft Internet Explorer provided by Navy Marine Corps Intranet

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Address http://www.submepp.navy.mil/jfmm/index.htm Go

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JFMM Home Page

Feature Photo: USS Virginia (SSN 774)

JOINT FLEET MAINTENANCE MANUAL - REV A CHANGE 2

COMFLTFORCOMINST 4790.3

JFMM (PDF)	JFMM (HTML)	ACN's	Forms	Photo Gallery
Rcvd Chg Rqsts	JFMM Links	TYCOM Doc/Form	Distribution List	SUBMEPP
JFMM Rev A/2 Trng	TUM	TUM Trng	FAQs	

Done Internet

Radia Installation Manager

Start I... S... R... J... 17:10

Surface Ships

SHIPMAIN

SHIPMAIN FEEDBACK FORM (SFF)

FROM: ACTIVITY/SHIP _____ E-MAIL ADDRESS _____

CNO AVAILAIBLITY _____

CODE/DEPT/SHOP _____ DATE _____

ORIGINATOR _____ TEL EXT (____) _____

PROCESSING NORMAL _____ PRIORITY* _____

* (Justify in rationale below if priority is marked)

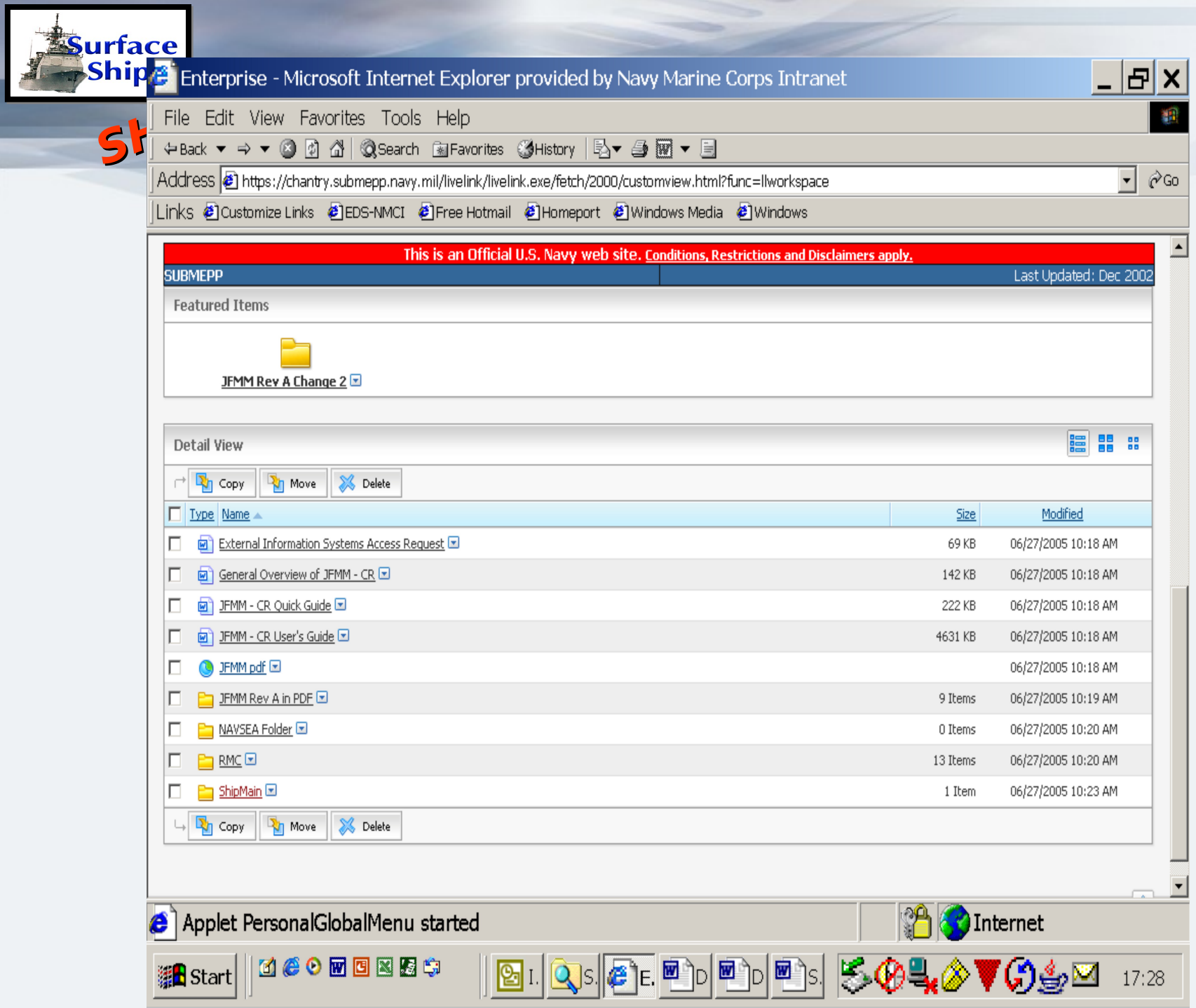
PROBLEM DESCRIPTION: (Check applicable box (s) and describe issue below)

☐ Maintenance Requirements ☐ Planning & Package Preparation ☐ Placement & Oversight

☐ ALTS / MODS Mgmt ☐ Metrics ☐ AIS ☐ HOTWASH Item ☐ History Only

☐ Other _____ (Fill in one/two word subject)

RECOMMENDED CHANGE: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Enterprise - Microsoft Internet Explorer provided by Navy Marine Corps Intranet
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Last Updated: Dec 2002
Featured Items
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Detail View
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General Overview of JFMM - CR 142 KB 06/27/2005 10:18 AM
JFMM - CR Quick Guide 222 KB 06/27/2005 10:18 AM
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NAVSEA Folder 0 Items 06/27/2005 10:20 AM
RMC 13 Items 06/27/2005 10:20 AM
ShipMain 1 Item 06/27/2005 10:23 AM
Copy Move Delete
Applet PersonalGlobalMenu started
Internet
Start
17:28

Surface Ships

SHIPMAIN

SHIPMAIN PROCESS ISSUE ACTION TRACKING CHART										
Total Items Outstanding -										
Total Items Resolved -										
#	SUBJECT	ORIGINATOR	PROBLEM	RECOMMENDATION	RATIONALE	PRI	DATE Entered	Assigned To:	Status	Target Compl Date

Alterations and Modernization

CFT - 4

Alts and Mods

- FMP Web site
  - ***www.fmp.navy.mil***
- Wealth of Information – new items being added frequently
  - FAQs
  - SCD Checklist
  - Training bulletins
  - References
  - Presentations

Example - FAQ # 36

36. What is a "Parent-Child" SCD?

ANS: Information on the Parent-Child concept can be found on the FMP Website under BRT-25 Software recommendation; a synopsis:

- Parent Defines an Entire Program at at high level of detail, with an overall plan and funding to develop more detailed ship changes from the general Parent plan as well as provide funding to provide a basic level of support

- Child SCDs define specifics as the Program evolves in time and details specific deliverable (software, etc.)

Hull Modernization Plan (HMP) Update

Why do we need an HMP?

Gives the Maintenance Teams/Waterfront "Total Visibility" into the cost, technical and fielding plan aspects of all hull-specific ship changes, using the output of a single, authoritative database (NDE-NM) and a si IN)

Fiscal (cost) data provides MT flexibility in managing pro-rates for advanced availability planning

Reduced execution costs + reduced churn= Savings $$$

What is the HMP and Who Uses it?

- Who: Maintenance Team's authoritative list of approved modernization items (March HMP Only)
- What: "snap-shot" of SHIPMAIN Decision Board approved ship changes for a specific hull across given execution year
  - Advance Planning HMP (May-June two years prior to EY)
  - HMP (March prior to EY)
  - Decision Point 3: "Approved for Procurement and Installation" (Phase IIA included)
  - Decision Point 2: Non-Permanent Installations Only
    - Limited ILS

For more information, contact:

LCDR Patrick LaFontant, PEO SHIPS-F1
Strike Force Readiness Coordinator
(202) 781-1982; patrick.lafontant@nav

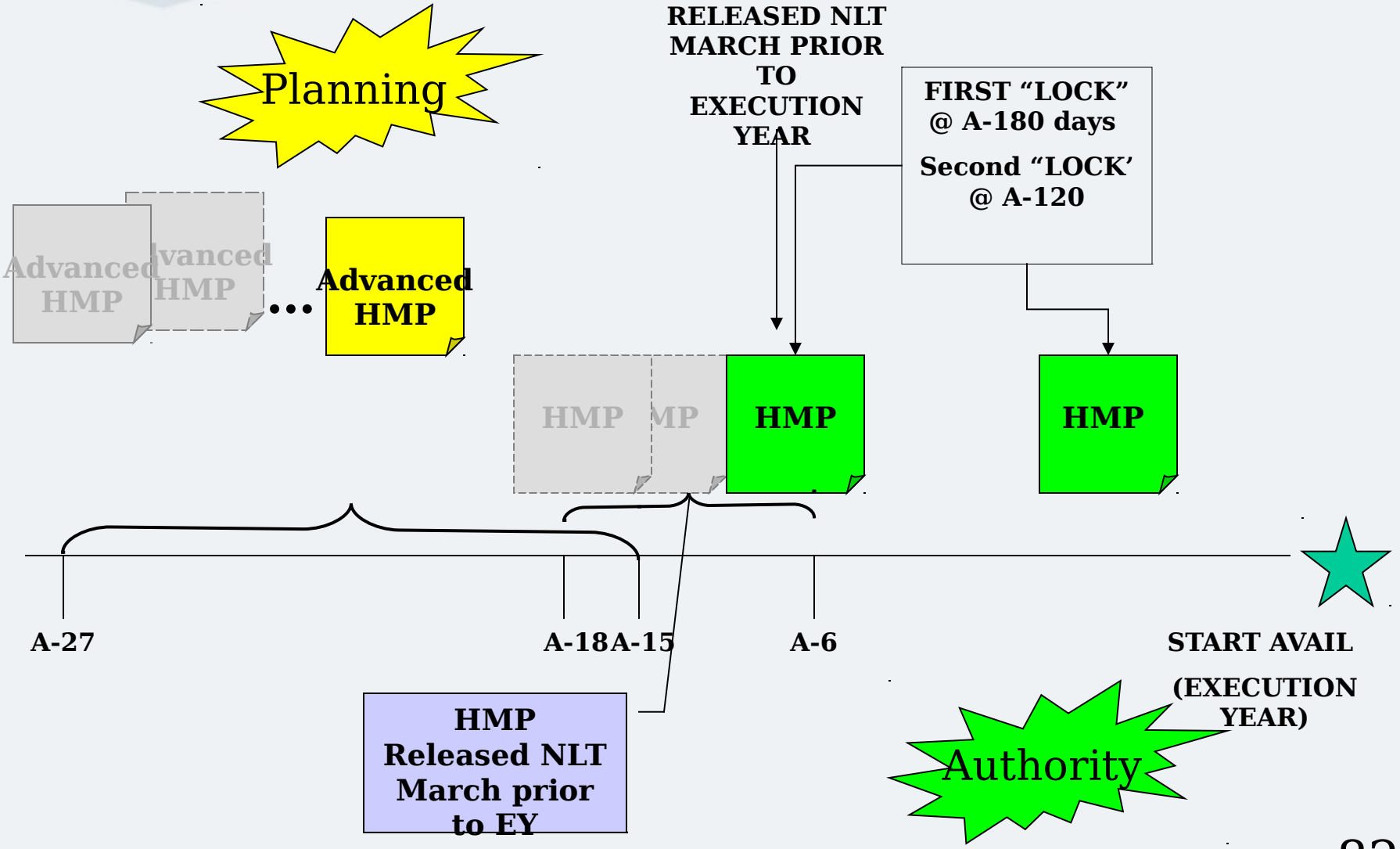
Or Visit the FMP Website at www.fmp.

CNSF INST 4703 Governs MMBP: HMP is the Program/Fleet Ship Change Modernization Input

When is the HMP issued?

- A-15 to A-27 months: Ship changes anticipated for Decision Point 3 Approval released in Advanced HMP:
  - Allows for planning yard contract activities
  - Snapshots taken monthly thereafter
  - Also includes Non-Permanent Installations NPI
    - Formerly known as TEMPALTS
- A-6 to A-18 months: Execution Year HMP released
  - First Locked at A-180 days
  - FINAL update opportunity locked at A-120 days
- NOTE: A-75 Milestone will be deleted as of JUL/AUG 05 with an update to the JFMM

HMP Timeline



HMP Impact On Availability Planning

A-18 mos. Advance Planning Letter	Advance Planning HMP (A-15 to A-27) mos.
Monthly Availability Planning Sheets	NDE NM Snapshot of HMP data
A-12 Letter of Authorization	Execution Year HMP (A-6 to A-18) mos.
Monthly Availability Planning Sheets	NDE NM Snapshot of HMP data
A-180 Letter of Authorization	A-180 HMP Snapshot - locked
A-120 Letter of Authorization	A-120 HMP Snapshot - locked
A-75 Authorization Message	~~A-75 Authorization Message~~
Message Updates upon TYCOM Authorization	Message Updates upon TYCOM Authorization

OLD → NEW

How do I provide input to the HMP

- **Via an approved Ship Change Document (SCD):**
  - **Via TYCOM/SYSCOM SCD Inputs into NDE-NM**
  - **Use the HMP to manage the process for scheduling and executing Fleet Ship Changes**
  - **Program Offices:**
    - **All schedule and cost information: in NDE by March of year prior to execution year**

CNSF San Diego CA 021516Z JUN 05 Requires adherence to SHIPMAIN Policy

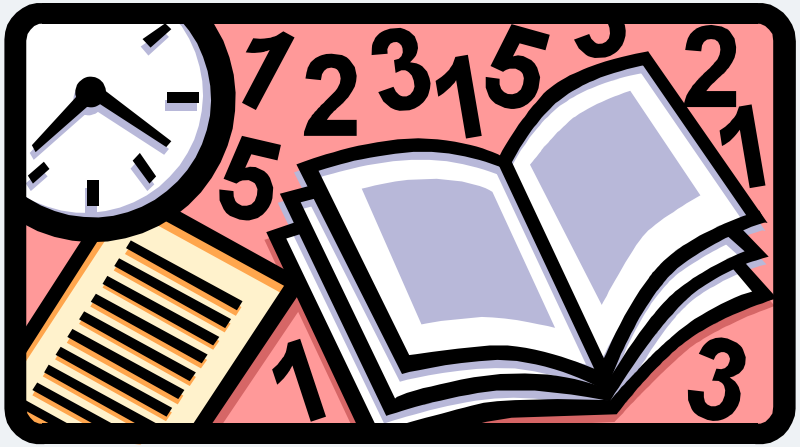
PEO SHIPS 221434Z MAR 05 PEO SHIPS POLICY FOR AUTHORIZED ALTERATIONS IN CNO AVAILABILITIES STILL APPLIES

Implementation Status

- Software release delayed
- Expect to see it ~ Oct 05
- Still plan to use for FY07 MMBP
- During transition period the LOA is still the “official” document

What to Take Away From This?

- ***Cost Estimates <u>required</u>***
- ***Get used to the new metrics***
- ***Use MST when you get it***
- ***Get in to the ICMP***



Final Questions?